## Index of Subjects

Volume 66, 1972

Abruptio placentae

clinicopathologic correlations, 28a

2-Acetylaminofluorene

enhanced absorption from urinary bladder, 80a

Acinar cell

fine structure of, effect of a-staphylococcal toxin on, 497

regeneration, protein metabolism in, 407

Acoustic duct tumors

2-fluorenylacetamide induced, 101a

Actinomysin

glomerular mesangial cell, 97

Adenosyl thionium

products of, urinary excretion of in homocystinuria, 26a

Adenovirus hepatitis, 26a

Adrenal

fetal, subendothelial and interstitial cells of, 103a

Akutsu total artificial heart

morphologic changes after implantation, 331

Albumin

125I labeled, accumulation in isolated perfused renal tubules, 101a

Aleutian diseases of mink

lesions, prevention by immunosuppression, 543

Allograft

rejection in kidneys, modification by sulfinpyrazone, 445

induced changes in islet \$\beta\$ cell nucleus, 41a

Allylamine

induced myocardial fibrosis smooth muscle cell hyperplasia in coronary arteries, 225

Alveolus

acute and chronic fibrosing alveolitis, 102a

changes in lining with breathing onset, 471

changes in macrophage function after rotational stress, 68a

macrophage, pulmonary interstitial cell as precursor, 56a

**Amebiasis** 

colitis, electron, microscopic study at autopsy, 29a experimental, penetration of colonic epithelium, 29a

Amnion nodosum

in absence of oligohydramnios or renal anomalies, 19a

Amniotic fluid

surfactant content, screening test for, 53a

Amyloidosis

spontaneous murine, 102a

Anaphylaxis

systemic, herpes simplex virus induced, 73a

Anencephaly

pulmonary, development, 19a

Aneurysms

cerebral miliary in hypertertension, 313

Angiotensin II

effect on endothelial permeability to serum lipids, 46a

Animal models for human disease

congenital malformations, 589 globoid cell leukodystrophy, 375 idiopathic polyneuritis, 189

Antibody

antiglial fibrillary acidic protein, 7a content of plaque forming cells in lymph, 1

formation, genetic control of, 899 synthesis, ultrastructural study, 25

Antifibrin

conjugated fibrinogen in ferritin platelet aggregates, 397

Antifibrinolysin (see a1-antitrypsin)

hepatitis associated with hematuria, renal changes in, 59a

Antilymphocyte serum

effect of N-methyl-N-nitrosurea induced neoplasms, 7a

a1-Antitrypsin

deficiency of, pathology of, 20a role in hyaline membrane disease, 52a

gastric cell, identification and relation to ulcerogenic pancreatic tumors, 43a

Aorta

atherosclerosis, vegetable fat and cholesterol induced (monkeys), 92a cartilage and mucopolysaccharides, extractability, 66a

ferritin synthesis by smooth muscle

cells of, 98a

permeability during atherogenesis,

thoracic intima, studies of, 241

#### Aortocoronary bypass fate of, 111

Arterial endothelium

effect of angiotensin II on permeability to serum lipids, 46a

protein tracer transfer in catecholamine induced high and low blood pressure, 46a

## Arterial fibromuscular dysplasia in infancy and childhood, 23a

Arteriosclerosis

calcific, vitamin D metabolism and, in cirrhosis (rabbits), 94a

histopathology of coronary arteries in, 50a

sulfur metabolism and plaque formation in, 83

## Artery-vein-artery grafts

fate of, 111

Arthus reaction

Forssman skin test and in guinea pigs, 74a

Artificial heart

Akutsu, total, morphologic changes after implantation, 331

Ascites myeloma cells

separation from lymphocytes and macrophages, zonal centrifugation, 79a

#### L-Asparaginase

enhanced metastasis, 80a

#### Aspergillosis

visceral, experimental, 34a

#### Ataxia

cerebellar, chronic progressive ophthalmoplegia with, 9a

Atherosclerosis

aortic permeability during, 47a aortic, vegetable fat and cholesterol induced (monkeys), 92a

pathogenesis of hypertension in, 163 thrombosis in normolipedemic rabbits, 51a

## Atrium

diet induced changes in, 65

## Auditory pathway

erythroblastosis fetalis, 10a

### Australia antigen

hepatitis, virus particles in liver, 93a

#### Axon

axoplasmic flow, ionic requirements, 4a

## **Bacterial** infections

congenital, model for prevention, 23a ECHO 19 virus, 23a Blast cell:

antibody in, 25

## Blood group

H, karotypically alike HeLa cells, 67a

#### Body temperature

normal, thermal injury due to, 557

#### Bone

disease, metastatic calcification and in chronic dialysis patients, 40a

#### Bone marrow

chloramphenicol induced vacuoles in pronormoblasts, 35a

emperiopoiesis of neutrophilic leukocytes in megakaryocytes, 94a lymphocytes, 88a

## Brain

cerebral miliary aneurysms in hypertension, 313

death, early pathologic changes, 74a hydalazine and coarction induced edema of, 2a

left lateral ventricle, colloid cyst, 10a lipids, myelin content of in lead intoxicated and malnourished rats, 1a metastatic tumors, fenestrated blood vessels in, 8a

nuclear body formation after reovirus 3 inoculation, 31a

toxoplasmosis, study of, 5a

#### Brainstem

hemorrhage

arterial source of, 9a

#### lesions

thiamine deficiency and vascular permeability to horseradish peroxidase in, 565

#### Breathing

onset of, changes in alveolar lining, 471

#### Bronchitis

emphysema and, postmortem epidemiologic study, 55a

#### Calcium

myocardial, isoproterenol myocytolysis and, 49a

## Capillary

muscle basal lamina thickening in juvenile diabetes, 42a

#### Carcinogenicity

a public health hazard, 352

#### Cardiac hypertrophy

relationship to hypertension, 163

## Cardiomyopathy

naturally occurring, response to corticosteroids, 49a

## Carrageenan granuloma

enzyme histochemistry, 369

## Carrion's disease

verruga of, pathogenesis of, 461

#### Cartilage

aortic, mucopolysaccharides and, differential extractability, 66a

#### Cell

ascites myeloma, zonal centrifugation, 79a

cardiac, beating, purification by programmed gradient centrifugation, 48a

injury, mitochondria matrix densities in, 34a

lung, immunologic capabilities of, 89a

#### Central nervous system

acute lymphocytic leukemia in, 24a central myelinated fibers, ultrastructural changes after radiation, 2a malformation, renal dysplasia and fibroductular proliferation in liver,

58a

#### Cerebellum

effects of excess phenylalanine on, 3a in chronic progressive ophthalmoplegia with cerebellar ataxia, 9a

intracortical lesions, reparative remyelination (rat), 13a

lesions, methylazoxymethanol duced, 3a

## Cerebro-hepato-renal syndrome

mitochondrial dysfunction, 43a

#### Ceroid

isolation from normal and pathologic tissues, 65a

## Chemical pollutants, 352

## Chloroma cells

ultrastructure and cytochemical studies, 147

#### Chlorampenicol

vacuoles induced in bone marrow proncrmoblasts, 35a

#### Cholestasis

intrahepatic, model of, 577

#### Cholesterol

aortic atherosclerosis induced in monkeys, 92a

## Chorid plexus

origin of, 10a

#### Cirrhosis

vitamin D metabolism and calcific arteriosclerosis in, 94a

#### Citric acid cycle

inhibitors, light and electron microscopy of rat kidney, 513

### Colitis

amebic, autopsy electron microscopy studies. 29a

## Collagen

atrial wall, diet-induced, 65

#### Colon

penetration of Entameba histolytica, 29a

### Congenital malformations

animal model, 589
biochemistry of, 83a
inductive tissue interactions, 83a
practical pathology of, 18a
principles of teratology, 82a
radiation and, 84a
renal, pulmonary development in anencephaly and, 19a
role of environment, 85a
role of viruses, 85a
syndromes, 86a
trends in research, 85a

## Contact inhibition, 83

## Cornea

keratopathy and pingueculae, 39a

## Coronary arteries

bypass, fate of, 111

in arteriosclerotic hearts, histopathology, 50a

smooth muscle hyperplasia in myocardial fibrosis after allylamine feeding, 225

#### Cor pulmonale

sequel to monocrotaline intoxication, 94a

#### Corticosteroids

response of naturally occurring cardiomyopathy to, 49a

#### Cortisone

induced fat embolism, 43

## Cyst

colloid, left ventricle of brain, 10a

Cystathionine synthetase deficiency cell cultures, metabolic and macromolecular abnormalities in, 83

#### Cystic fibrosis

genesis of, 11a

lung in, postmortem study of, 54a

#### Diabetes

mellitus, virus induced, renal lesions in, 60a

muscle capillary basal lamina thickening, incidence and significance, 42a

pituitary structure, correlated with DNA levels, 41a

#### Diphenylamine

induced renal cystic disease, 343

## DNA

concentrations, correlation with pituitary structure in diabetes, 41a

synthesis in kidney, effect of uninephrectomy and lead acetate, 265 synthesis, mitochondrial and nuclear, regeneration after renal tubular necrosis, 62a

Dupuytren's contracture

electron microscope study, 131 fibroblast modification in, 91a

Dysplasia

arterial fibromuscular, 23a

ECHO virus

19. congenital infection with, 23a Embolism

fat, lipoprotein and cortisone induced.

41 hypertension and microembolic renal

damage, 163

Emperiopoiesis

neutrophilic leukocytes in bone marrow megalocytes, 94a

Emphysema

bronchitis and, postmortem epidemiologic study, 55a

centrilobular, quantification, 56a Encephalomyopathy, Leigh's, 22a

Encephalomyocarditis virus

M variant, pancreatic changes, 30a

Endocardial fibroelastosis idiopathic, progression of interstitial

myocarditis to, 483

Endocarditis

bacterial, effect of isoproterenol on, 489

Endoplasmic reticulum antibody content of, 25

Endothelial vacuoles diet-induced changes in, 65

Endotoxin

shock

development of lung lesions, 53a effect of steroid pretreatment in, 102a

Environmental pathology review article, 352

Epizootic hemorrhagic disease electron microscope study, 30a

Erythroblastosis fetalis

auditory pathway in, 10a

urinary, N-hydroxy-2-acetylaminofluorene, induced mammary tumors,

Fat

embolism, lipoproteins and cortisoneinduced, 43

conjugated antifibrin/fibrinogen in platelet aggregates, 379

synthesis by aortic smooth muscle cells, 98a

Fetus

placenta and, role in teratology, 17a

poly I:poly C-induced endogenous pyrogen release, 32a

Fibrinogen

antifibrin/fibrinogen ferritin conjugated, in platelet aggregates, 379

**Fibroblasts** 

modification of in Dupuytren's contracture, 91a

Fibroelastosis

idiopathic endocardial, progression of interstitial myocarditis to, 483

Fibrosarcoma

macrophage mediated destruction by tumor enhancing IgG2, 72a

Forssman skin test

Arthus reaction and, in guinea pigs, 74a

Freund's adjuvant structure of, 97a

Gangliosidosis

Gm3

O variant, morphologic study of, 12a

Type 2, electron microscopic study, 12a

Germ cell

hematopoietic stem cell, migration and germinomas, 93a

Germinomas

germ cell and hematopoietic stem cell migration and, 93a

Globoid cell leukodystrophy animal model 1375

Glomerular mesangial cells actomyosin in, 97

Glomerulus

crystalline phospholipid deposition in glomerulonephritis, 59a

unilateral lesion, immunologically mediated in split-bladder dog, 59a

Glomerulonephritis

crystalline phospholipid deposition in, 59a

Glycogen

metabolism of in cultured postnatal rat liver, 22a mobilization after partial hepatec-

tomy, 38a

Golgi apparatus antibody content of, 25

Gonadal defects hemolymphatic and, in mice, 93a

Grafts

autologous vein in arterial bypass, fate of, 111

#### Graft vs host syndrome

IgG containing cells in intrarenal,

histopathologic changes, 71a

#### Granuloma

Carrageenan, enzyme histochemistry, 369

## Growth hormone

mediation of action of, 83

## Gullain-Barre syndrome

animal model, 189

## Hale reactivity

quantification, HeLa cell surface, 97a Heart

Akutsu total artificial, morphologic changes after implantation, 331

arteriosclerotic, coronary artery histopathology, 50a

endocardial valvuloids, pathogenesis,

isoproterenol myocytolysis and myocardial calcium, 49a

muscle, extended sarcoplasmic reticulum, 47a

myocytes, gradient sedimentation of beating, 48a

ventricle, left, cold and cyanide effects on water distribution, 65a

#### Hematuria

in hepatitis associated antigenemia, renal changes in, 59a

## Hemoglobin

synthesis, reticulocyte transfer RNA content of, 68a

#### **Hemolymphatic**

gonadal and defects (mice), 93a

## Hemopoietic stem cell

migration and germinomas, 93a

## Hemorrhage

brain, 313

brainstem, arterial source of, 9a

epizootic hemorrhagic disease, electron microscopy, 30a

shock, effects of steroid pretreatment, 102a

#### Hepatectomy

partial, mechanisms of glycogen mobilization after, 38a

#### Hepatitis

adenovirus, 26a

antigenemia with hematuria, renal changes, 59a

Australia antigen associated, virus particles in liver, 93a

## Hepatosplenic schistosomiasis

nephropathy of, 33a Herpes simplex

virus induced systemic anaphylaxis, 739

## Hodgkin's disease

lymph node nuclear bodies and crossbanded filaments, 99a staging abdominal exploration, 769

## Homocysteine

proteoglycan structure after, 83

## Homocystinuria

adenosyl thionium, urinary excretion of, 26a

pathogenesis of, 83

## Horseradish peroxidase

vascular permeability to, in thiamine deficiency brainstem lesions, 565

#### Hyaline membrane disease

role of antifibrinolysin in pathogenesis, 52a

#### Hydralazine

cerebral edema, 2a

#### Hyperglycemia

relationships between diabetic glomerular lesions, proteinuria and, 193

## Hypertension

catecholamine-induced, protein tracer passage through arterial endothelium in. 46a

cerebral miliary aneurysms in, 313 relationship to microembolic renal disease, 163

## Hypersensitivity

delayed, genetic control of, 89a

#### Hypotension

catecholamine induced, protein passage through arterial endothelium, 46a

#### Hypothalamus

synthesis, axonal transport and secretion of intraneuronal neurophysins, 66a

#### Idiopathic endocardial fibroelastosis

progression of interstitial myocarditis to, 483

## Idiopathic polyneuritis

animal model, 189

#### Immune response

antibody containing cells in lymph during, 25

antibody content of plaque forming

local lymphoid response as index of tumor immunity, 71a

## Immunoglobulin

G containing cells in intrarenal graft vs host reaction, 71a

tumor enhancing IgG3, macrophage mediated destruction of fibrosarcoma, 72a

Immunologic memory

antibody containing cells, role of, 25

Immunopathology

mycobacterial infection in absence of cellular immunity, 70a tumor immunity, local lymphoid re-

sponse as index of, 70a

Immunosupression

antilymphocyte serum, effect on Nmethyl-N-nitrosurea induced neoplasm, 7a

prevention of lesions in Aleutian mink disease, 543

#### Infections

bacterial

congenital, model for prevention, 23a

congenital, ECHO 19 virus, 23a mycobacterial in absence of cellular immunity, 70a

Inflammation

pulmonary artery, animal model, 37a Injury

cell, mitochondria matrix densities, 34a

thermal due to normal body temperature, 557

Inosine monophosphate

effects on hepatic ultrastructure and ATP in glucose infused liver, 103a

Intracortical lesions

reparative remyelination after (rat), 13a

Intrahepatic cholestasis

model of, 577

Intraneuronal neurophysins

hypothalamic, synthesis, axonal transport and secretion, 66a

Isoproterenol

effect on susceptibility of X-irradiated mice to bacterial endocarditis, 48a

myocytolysis, myocardial calcium and 49a

Keratopathy

pingueculae with associated, 39a

Kidney

isolated perfused tubules, 125I labeled albumin in, 101a

Kidney

allograft rejection, platelets in and modification by sulfinpyrozone, 445 biopsies in lupus nephritis, 60a

cell proliferation in lead intoxication, 64a

changes in acute cell injury after shock and trauma, 36a chronic dialysis, metastatic calcification and bone disease, 40a

contractile protein antigen similar to actomyosin, 97

cystic disease induced by diphenylamine derivatives, 343

dysplasia, CNS malformation and fibroductular liver proliferation, 58a

failure, tubular changes in, 63a glomerular lesions and proteinuria, evaluation in diabetic mice, 193

immunologically mediated unilateral lesions, 59a

interstitial cell tumor of, 95a

isolated perfused tubules, <sup>125</sup>I labeled albumin in, 101a

lead acetate induced cell proliferation, and uninephrectomy, 265

lesions of hepatosplenic schistosomiasis, 33a

lesions in virus induced diabetes mellitus, 60a

lupus nephritis, biopsies in, 60a malformations, pulmonary develo

malformations, pulmonary development, 19a

microemboli, renal damage and hypertension, k63

papilla, effect of increased osmolality on, 62a

postnatal development, 16a

proximal convoluted tubules, effects of sodium fluoroacetate in, 513

tubular necrosis, morphology of healing, 63a

tubular necrosis, nuclear and mitochondrial DNA synthesis after, 62a

Krabbe's disease animal model, 375

Lead intoxication

cell proliferation in kidney after, 64a changes in suckling rats, 1a lipid content of myelin in undernourished and, 1a

Ledderhose disease

study of, 131

Leigh's encephalomyelopathy, 22a Leukemia

acute lymphocytic in the CNS, 24a
DMRA induced, 96a

DMBA induced, 96a Simian virus induced, 90a

ultrastructure and cytochemical studies of chloroma cells, 147

Leukocytes

destruction by phagocytized S aureus, 38a

globule, magnesium deficiency induced proliferation, 69a neutrophile, emperiopoiesis in bone marrow in megalokaryocytes, 94a

Leukodystrophy

globoid cell-animal model, 375 metachromatic, neuronal and peripheral nerve changes, 13a

Leukoencephalopathy

progressive multifocal, 5a

Leydig cells

microbodies in rat testes, 44a

crystalline deposits in glomerulonephritis, 59a

metabolism and surface tension in developing lung, 44a

saturated, osmiophilia of, relation to surfactant structures, 54a

serum, effect of angiotensin II on endothelial permeability to, 46a

Lipofuscin

isolation from normal and pathologic tissue, 65a

Lipohyalinosis

in hypertension, 313

Lipoprotein

cortisone-induced fat embolism, 43 Liver

antioxidant induced changes in monkey, 35a

disease in a -antitrypsin deficiency,

effects of inosine monophosphate on hepatic ultrastructure and ATP, 103a

fibroductular proliferation, familial renal dysplasia with CNS malformation, 58a

mitochondria, changes in kidney and after cell injury in shock and trauma, 369

virus particles in Australian antigen associated hepatitis, 93a

Bronchitis and emphysema, epidemiologic study, 55a

changes after ozone exposure, 57a changes in alveoli lining with onset of breathing, 471

cystic fibrosis, postmortem study, 54a developing rat, lipid metabolism and surface tension in, 44a

development of in anencephaly and renal malformations, 19a

disease in a -antitrypsin deficiency,

honeycombed, mediastinal lymphangioma with, 99a

immunologic capabilities of cells, 89a lesions in endotoxic shock, 53a

neonatal, general theory of, 20a osmiophilia of saturated lipid, dipalmitoyl lecithin, relation to osmio-

philia of surfactant structure, 54a pathology in cortisone induced pulmonary fat embolism, 43

polyribosomes from normal and neoplastic, 98a

proteolytic activity in, 96a

Lupus nephritis

renal biopsies in, 60a

Luteoma

transplantable (mouse), 77a

Lymph

antibody synthesis, 25

plaque-forming cells in, antibody content of 1

Lymphangioma

mediastinal in honeycombed lung, 99a

Lymph nodes

antibody containing cells in, 25 Hodgkin's, nuclear bodies and cross banded filaments, 99a

Lymphocytes

antibody in, 25

thymus versus bone marrow derived, 882

zonal centrifugation separating ascites myeloma cells, macrophages and, 79a

Lymphoma

leukemia and in DMBA induced, 96a Simian virus induced, 90a

Macrophage

alveolar, pulmonary interstitial cells as precursor of, 56a

destruction of fibrosarcoma cells by tumor enhancing IgG2, 72a

Migration inhibition, study of, 72a phagocytic alveolar, changes in function after rotational stress, 68a

zonal centrifugation, separation from ascites myeloma cells, lymphocytes and, 79a

Malaria

immunity to during pregnancy, 74a Malformation

gross congenital, animal model for, 589

syndromes, 87a

Malnutrition

lipid content of myelin in lead intoxication and undernourished rats, 1a

Mammary tumors

2-acetylaminofluorene induced, N-hydroxy-2-aminoacetylfluorene excretion, 81a

596

tumors in children, clinicopathologic study, 25a

Manganese-bilirubin overload

model for intrahepatic cholestasis, 577

Maxilla

tumors of children, clinicopathologic study, 25a

Megakaryocytes

emperiopoiesis of neutrophilic leukocytes in bone marrow in, 94a localization of peroxidase activity in, 277

Mesangial cells

glomerular, actomyosin in, 97

Metachromatic leukodystrophy neuronal and peripheral nerve change in, 13a

Metastases

calcification and bone disease in chronic dialysis patients, 40a enhancement by L-asparaginase, 80a Methionine

pancreatic cell degeneration in excess of, 21a

Mitochondria

dysfunction in cerebro-hepato-renal syndrome, 43a

liver, changes in after shock and trauma, 36a

matrix densities in cell injury, 34a
Monocrotaline intoxication

cor pulmonale, a sequel to, 94a

Mucopolysaccharides aortic, differential extractability of cartilage and, 66a

Muscular dystrophy

para-Duchenne and Duchenne, comparative muscle study, 39a

Muscular hypoplasia cogenital, universal, 11a

Muscle fiber atrophy
Type I, mitochondrial abnormalities
with, 100a

Mutagenicity a public health measure, 352

a public health measure, 33

lipid content of in lead intoxication and undernourished rats, 1a Myeloma

cells in ascites, zonal centrifugation,

79a Myeloperoxidase chemistry of in chloroma tumors of

rats, 147 Myoblastoma

granular cell, electron microscopy, 77a

Myocardial infarction

myofibrillar degeneration and, 50a Myocarditis

interstitial, progression of idiopathic endocardial fibroelastosis to, 483

Myocardium diet induced changes in, 65

fibrosis of and coronary artery smooth muscle cell hyperplasia, 225

Myocytolysis

myocardial calcium and isoproterenol induced, 49a

Myofibrillar degeneration

myocardial infarction and, 50a Myositis

rubella vaccine induced, 14a

Necrosis

in vitro induced islet β cell nuclei changes, 41a myocardial, allylanine induced, 225

Neoplasm

basal lamina reduplication in, 79a lung, polyribosoms from normal and, 98a

N-methyl-N-nitrosurea induced, effect of antilymphocyte serum on, 7a

Nephropathy

acute obstructive (rabbit), 61a

Neuro-Behcet disease

morphologic and biologic study, 6a

Neurophysins hypothalamic intraneuronal, 66a

Newborn

autopsies of in repeated unsuccessful pregnancies, 27a

Nuclear body formation in rat brain inoculated with reovirus 3, 31a

Ocular muscles

ultrastructure in chronic progressive ophthalmoplegia with cerebellar ataxia, 9a Ophthalmoplegia

chronic progressive with cerebellar ataxia, 9a

Osteosarcoma

Simian virus 40 induced, 90a

Ovary

interstitial cells in W strain sterile mice, 45a

Ozone changes in lung exposed to, 57a

Pancreas

acinar cell effect of staphylococcal α-toxin in, 497 regeneration, protein metabolism in. 407

changes in M varient encephalomyocarditis, 30a

immunologically specific esterase from, 75a

islet cell degeneration in methionine excess, 21a

islet \( \beta \) cell changes in nuclei induced by streptozotocin, alloxan and in vitro necrosis, 41a

ulcerogenic tumors of, gastrin cell identification and relation to, 43a

Paraganglioma

nonchromaffin presenting as thyroid nodule, 104a

Pathology

congenital malformations, 18a environmental, 16a quantitative, morphologic, 104a

Perinuclear space

antibody content of, 25 Peripheral nervous system

contractile protein in perineural nerves, 67a

soft tissue tumors of, 8a

Perinatal death

influence of maternal age, height and marital status, 95a

Permeability

aortic, 46a

aortic during atherogenesis, 47a arterial endothelium

protein tracer transfer during catecholamine induced hypo and hypertension, 46a serum lipids, effect of angiotensin

II Peroxidase activity

localization in platelets and megakaryocytes, 277

Peroxisomes

identification in Leydig cells of rat testes, 44a

Pingueculae

corneal, keratopathy associated with, 39a

Pituitary

structure in diabetes correlated with DNA concentrations, 41a

Placenta

abruptio, clinicopathologic correlations, 28a

role of fetus and in teratology, 17a

Platelet actinomyosin, similarity to uterine,

blood, interaction of membrane sys-

tems in, 295

ferritin conjugated antifibrin/fibrinogen in aggregates of, 379

in early hyperactive kidney allograft rejection, modification by sulfinpyrazone, 445

Pneumoconiosis

coal workers, 52a

Pneumonitis

reovirus Type 3, pathology, 55a

Pollutants

environmental, 16a

Polycystic kidney disease diphenylamine induced, 343

Poly I: Poly C

induced endogenous pyrogen release, 329

Polyneuritis, idiopathic animal model, 189

Pregnancy

immunity to malaria during, 74a repeated unsuccessful, profile based on newborn autopsies, 27a

Progressive multifocal leukoencephalopathy

agents isolated from, 5a

Proteins

antiglial fibrillary acidic antibodies, 7a

contractile

renal tissue, 97

cells of peripheral perineural nerves, 67a

synthesis, computer simulated and experimental changes in, 92a

Proteinuria

studies in diabetic mutant mice, 193

Proteoglycan

structure after homocysteine

Proximal convoluted tubule

effect of sodium fluoroacetate on, 513

Pulmonary artery inflammation necrotizing and granulomatous, experimental model, 37a

Pulmonary emboli composition, 43

Pulmonary interstitial cell

precursor of alveolar macrophage, 56a

Reovirus Type 3

pneumonitis, pathology of, 55a

Rhabdomyosarcoma

electron microscopic analysis, 25a RNA

reticulocyte transfer content for hemoglobin synthesis, 68a

ribosomal, oxygen inhibition and reversal of synthesis, 57a

#### Rubella

vaccine myositis, 14a

Sacrococcygeal ependymoma

delayed distant metastasis from, 100a

Sarcoma

reticulum cell, microscopic studies in Fabrizio hamsters, 98a

Sarcoplasmic reticulum

junctional, extended in chicken cardiac muscle, 47a

Schistosomiasis

hepatosplenic, nephropathy of, 33a urinary, egg excretion and tissue egg burden, 33a

Schollenleukocyten

magnesium deficiency induced proliferation, 69a

Shock

cell injury after kidney and liver mitochondria changes, 36a cell injury in, study of, 88a

endotoxin, effect of steroid pretreatment, 102a

endotoxin, lung lesions, development of, 53a

Sodium fluoroacetate

effect on proximal convoluted tubule, 513

Staphylococcal aureus

role of staphylococcal nuclease in leukocyte destruction, 38a

Streptozotocin

induced changes in islet  $\beta$  cell nuclei,

Sulfinpyrazone

platelets in kidney allograft rejection, modification by, 445

Surfactant

amniotic fluid, screening test for, 53a Systemic lupus erythematosus possible viral synergism, 31a

Teratogenicity

a public health hazard, 352

Teratology

biochemistry of anomalies, 83a chemical, in vitro, 16a environmental, 85a experimental, newer technics, 17a inductive tissue interactions, 83a malformation syndromes, 86a principles of, 82a radiation, 84a relation to oncogenesis, 86a role of fetus, placenta and umbilical cord, 17a role of viruses, 85a trends in research, 84a

Testes

microbodies, identification of in Leydig cells, 44a Tumors of in young males, 27a

Thermal injury

caused by normal body temperature, 557

Thiamine deficiency

brain stem lesions, vascular permeability in, 565

Thoracic aortic intima

structure and permeability, 241

Thromboatherosclerosis

in normolipidemic rabbits, 51a

Thrombus

diet induced, 65 in normolipidemic atherosclerotic rabbits, 51a

Thyroid

nonchromaffin paraganglioma, 104a

Toxicity testing

environmental pollutants, 352

Transplant

kidney, platelets in hyperactive rejection, 445

Toxoplasmosis

cerebral, study of, 5a

Trauma

cell injury

after kidney and liver mitochondria changes, 36a study of, 88a

umors

acoustic duct, 101a

effects on T and B function, 78a enhancing IgG<sub>2</sub>, macrophage mediated destruction of fibrosarcoma cells by, 72a

immunity, local lymphoid response as index to, 71a

interstitial cell, kidney, 95a

mammary, 2-acetylaminofluorene induced, 81a

mammary, DMBA induced, effect of surgical biopsy, 76a

maxillary and mandible, clinicopathologic study, 25a

metastatic, brain, fenestrated blood vessels in, 8a

metastases enhanced by L-asparaginase, 80a

neurogenic, fine structure of, 8a

rhabdomyosarcoma of children, electron microscopy, 25a

testicular in young males, 27a ulcerogenic of pancreas, 43a

Umbilical artery

single, followup of children with, 19a

## Uninephrectomy

effect on kidney cell, lead acetate induced proliferation, 265

#### Urinary

## bladder

fluid space movement and intracellular space, 64a

#### tract

magnesium deficiency induced globule, leukocyte proliferation in, 69a

#### Uterine actomyosin

antigenic difference from skeletal or cardiac, 97

#### Valvuloids

endocardial, pathogenesis of, 51a

## Vascular permeability

to horseradish peroxidase in brainstem lesions in thiamine deficient rat. 565

#### Vasopressin

action on cortical collecting duct, 40a

## Vein-vein-vein graft

fate of, 111

#### Ventricle

left, effect of cold and cyanide on water distribution in, 65a

#### Verruga

pathogenesis of in Carrion's disease, 471

## Villi

endothelial, diet induced endocardial changes, 65

#### Visna virus

studies in astrocyte culture, 6a

#### Vitamin D

metabolism and calcific arteriosclerosis in cirrhosis, 94a

#### VLDL

cortisone-induced changes, 43

## Werdnig-Hoffmann disease, 11a

Zellweger's disease (See cerebro-hepatorenal syndrome)

# Index of Authors

Volume 66, 1972

Abramowsky C, Jauregui H, Bradford W: Ultrastructural quantification of
the Hale reactivity of HeLa cell surfaces (March)
Ackerman LV: See Dehner LH, Ackerman LV
Adachi M, Torii J, Schneck L, Briet PE, Volk BW: Ultrastructure of cerebel-
lum and ocular muscles in chronic progressive ophthalmoplegia with cere-
bellar ataxia (March)
Adamson IYR: See Bowden DH, Adamson IYR
Adelman LS, Mann JD, Bass NH: Pathologic effects of excess phenylalanine
on the cerebellum of the developing rat (March)
Akutsu T: See Henson EC, Weaver DQ, Lockard VG, Takano H, Takagi H,
Akutsu T, Arhelger RB, Brunson JG
Alfrey AC: See Hammond WS, Alfrey AC, Huffer WE
Allen JR: Cor Pulmonale: A sequela to monocrotaline intoxication in the
infant monkey (March)
Allen JR: See Engblom JF, Carstens LA, Allen JR
Allen JR: See Lalich JJ, Allen JR, Paik WCW
Allen Mae Ellen: See Moncure CW, Lindgren A, Allen Mae Ellen
Alousi MA, Quirke Patricia J: Acute tubular necrosis (ATN) morphology of
healing (March)
Alzamora DB: See Pardo V, Perez-Stable E, Alzamora DB, Ferrer O, Cleve-
land WW
Amaral L: See Penha PD, Amaral L, Werthamer S
Amsterdam D: See Wellman KF, Volk BW, Lazarus SS, Brancato P, Amster-
dam D
Anderson NV: See Schoning Polly, Anderson NV, Westfall Jane A
Anderson RE, Sprent J, Warner NL, Miller JFAP: Radiosensitivity of thy- mus-derived vs bone marrow-derived murine lymphocytes (March)
Andersson Barbro: See Ioachim Harry L, Keller Steven, Sabbath Marlene,
Andersson Barbro, Dorsett Brent, Essner Edward
Angell William W: See Brody William R, Angell William W, Kosek Jon C
Applegarth DA: See Hardwick DF, Applegarth DA, Ingram P
Arhelger RB: See Henson EC, Weaver DQ, Lockard VG, Takano H, Takagi
H, Akutsu T, Arhelger RB, Brunson JG
Arimoto T: See Misugi K, Tomiyama T, Arimoto T
Aronoff A: See Huang SN, Millman I, O'Connell AP, Aronoff A, Gault H, Blumberg BS
Astrom KE: See Kolodny EH, Astrom KE, Caufield JB, Hyman VC, Richard-
son EP
Badii M: See Eisenstein R, Sorgente N, Larssen SE, Kuettner KE, Badii M
Balis JU: See Shelley S, Takagi R, Balis JU
Balis JU, Rappaport ES, Gerber LI, Neville WmE: Development of lung lesions in endotoxin shock (March)
Baratz Mimi; See Galinsky DM, Baratz Mimi, Goldberg GM
Baringer JR: See Margolis G, Kilham L, Baringer JR
Barton BP: See Shirasawa K, Barton BP, Chandler AB
Bass NH: See Adelman LS, Mann JD, Bass NH
Becker Carl G: Demonstration of actomyosin in mesangial cells of the renal
glomerulus (January)
Becker CG, Murphy EL: Demonstration of contractile protein in perineurial
cells of peripheral nerves (March)
Becker RA: See Clasen RA, Pandolfi S, Coogan PS, Laing I, Becker RA,
Hartmann JF

Benditt EP: See Gould VE, Gould NS, Benditt EP	79a
Benditt Earl P: See Schwartz Stephen M, Benditt Earl P	241
Bernstein J: Postnatal development of the kidney (March)	16a
Bessis MC: See Hay JB, Murphy MJ, Morris Bede, Bessis MC	1
Bessis MC: See Murphy MJ, Hay JB, Morris Bede, Bessis MC	25
Bignami A, Eng LF, Dahl D, Uyeda CT: Immunofluorescence of astrocytes	
with anti-glial fibrillary acidic protein antibodies (March)	7a
Blackburn WR, Potter DM, Travers H, Rhodes RA, Gassenheimer LL: Hor-	
monal influences on lipid metabolism and surface tension properties in	
developing rat lung (March)	44a
Blanc W: See Naeye RL, Newman Thelma, Blanc W	27a
Blanc WA: See Naeye RL, Blanc WA	95a
Bloom S, Davis D: Isoproterenol myocytolysis and myocardial calcium	000
(March)	49a
Blumberg BS: See Huang SN, Millman I, O'Connell AP, Aronoff A, Gault H,	400
	93a
Blumberg BS	
Bolande RP: Relationships between teratogenesis and oncogenesis (March)	86a
Borch Richard F: See Crocker John FS, Brown David M, Borch Richard F,	0.40
Vernier Robert L	343
Bourdeau J, Carone FA, Ganote CE: Accumulation of 125I-labeled serum	101
The state of the s	101a
Boutet M: See Huttner I, Boutet M, More RH	46a
Bowden DH, Adamson IYR: The pulmonary interstitial cell as immediate	
precursor of the alveolar macrophage (March)	56a
Bradel EJ, Newton WA Jr: Electron microscopic analysis of rhabdomyo-	
sarcoma of children (March)	25a
Bradford W: See Abramowsky C, Jauregui H, Bradford W	97a
Bradford WD: See Rixse RS, Wilson JW, Bradford WD	27a
Bramson Sharon; See Kuhns WJ, Bramson Sharon, Pann Charlotte	67a
Brancato P: See Wellman KF, Volk BW, Lazarus SS, Brancato P, Amster-	
dam D	30a
Braustein H, Dooley RM, Westgard DE: Human mycobacterial infection in	
the absence of cellular immunity (March)	70a
Brent RL: Newer technics in experimental teratology (March)	17a
Brent RL: Radiation and teratogenesis (March)	84a
	048
Breton-Gorius Janine, Guichard Josette: Ultrastructural localization of per-	077
oxidase activity in human platelets and megakaryocytes (February)	277
Briet PE: See Adachi M, Torii J, Schneck L, Briet PE, Volk BW	98
Broda KR: See Daniels CA, Broda KR, McCoy RC	73
Brody William R, Angell William W, Kosek Jon C: Histologic fate of the	
venous coronary artery bypass in dogs (January)	111
Brown David M: See Crocker John FS, Brown David M, Borch Richard F,	
Vernier Robert L.	343
Brown WJ: See Verity MA, Travis G, Brown WJ	388
Brunson JG: See Henson EC, Weaver DQ, Lockard VG, Takano H, Takagi H,	
Akutsu T. Arhelger RB. Brunson JG	331
Brunson JG: See Lockard Virginia G, Grogan JB, Brunson JG	688
Bulger Ruth E: See Nagle RB, Bulger Ruth E, Cutler RE, Jervis Helen R	618
Burkholder PM: See Wagnild JP, Burkholder PM, Gutmann FD, Rieselbach	
RE	59:
Butler JJ: See MacKay B, Butler JJ	88
Byers NT: See Highman B, Streett RP Jr, Byers NT	48
0 4 10 10 10 4 6 11 1 1 1 4 6 11 1 1 1 1 1 1 1 1 1 1	
Cantin M: Proliferation of globule leukocytes (Schollenleukocyten) induced	-
by magnesium deficiency in the rat urinary tract (March)	69
Carone FA: See Bourdeau J, Carone FA, Ganote CE	101:
Carstens LA: See Engblom JF, Carstens LA, Allen JR	35
Caufield JB: See Kolodny EH, Astrom KE, Caufield JB, Hyman VC, Richard-	
son EP	12

Cavallo T, Ward PA, Galvanek Eleonora G, Sadun EH, von Lightenberg
Franz: The nephropathy of hepatosplenic schistosomiasis (March)
Chandler AB: See Shirasawa K, Barton BP, Chandler AB
Cheema A, Henson JB, Gorham JR: Aleutian disease of mink: Prevention of lesions by immunosuppression (March)
Chick William L: See Like Arthur A, Lavine Robert L, Poffenbarger Philip L,
Chick William L
Chiga M: See Scarpelli DG, Lee DJ, Sinnhuber RO, Chiga M
Chiga Masahiro: See Cuppage Francis E, Chiga Masahiro
Choie DD, Richter GW: Cell proliferation in rat kidney after chronic intoxication with lead (March)
Choie David D, Richter Goetz W: Cell proliferation in rat kidney induced by
lead acetate and effects of uninephrectomy on the proliferation (February) Clasen RA, Pandolfi S, Coogan PS, Laing I, Becker RA, Hartmann JF: Ultra-
structural studies in experimental lead encephalopathy (March)
Cleveland WW: See Pardo V, Perez-Stable E, Alzamora DB, Ferrer O, Cleveland WW
Clower Ben R, Lockwood WR: Light and electron microscopy of diet-induced
atrial thrombosis in Swiss mice. II. Recovery on return to a balanced diet (January)
Coalson Jacqueline J. Pingleton WW, Hinshaw LE, Guenter CA: Morphologic
effects of steroid pretreatment on the primate lung in hemorrhagic and endotoxin shock (March)
Cole FE: See Roth LM, Sternberg WH, Huseby RA, MacPhee AA, Cole FE, Rice BF
Combs JW: See McDougal D, Combs JW
Coogan P: See Hsu G, Kalin G, Malikova S, Coogan P, Hass G
Coogan PS: See Clasen RA, Pandolfi S, Coogan PS, Laing I, Becker RA,
Hartmann JF
Cottrell JC: See Fabrizio Angelina M, Cottrell JC
Craighead JE: See Kanich RE, Kessler JB, Craighead JE Crocker John FS, Brown David M, Borch Richard F, Vernier Robert L: Renal cystic disease induced in newborn rats by diphenylamine derivatives (Feb-
ruary)
Croker BP: See Tisher CC, Croker BP
Cruse JM, Whitten HD, Fields JF, Hester RB, Lewis GK, Watson ES: Facilitation of macrophage-mediated destruction of allogeneic fibrosarcoma cells by tumor-enhancing IgG <sub>2</sub> in vitro (March)
Cummings JF, Haas DC: ANIMAL MODEL FOR HUMAN DISEASE: Idio-
pathic polyneruritis Guillain-Barre syndrome (January)
Cuppage Francis E, Chiga Masahiro: Nuclear and mitochondrial DNA synthesis in regeneration following acute tubular necrosis of the kidney
(March)
Cutler RE: See Nagle RB, Bulger Ruth E, Cutler RE, Jervis Helen R
Dahl D: See Bignami A, Eng LF, Dahl D, Uyeda CT
Dalldorf Frederic G: See Krasno James R, Knelson John H, Dalldorf Frederic G.
Daniels CA, Broda KR, McCoy RC: Herpes simplex virus (HSV) induced systemic anaphylaxis in rabbits (March)
Davis D: See Bloom S, Davis D
Dees JH: See Mergner WJ, Garbus J, Dees JH, Valigorsky JM, Trump BF
Dees JH: See Trump BF, Valigorsky JM, Mergner WJ, Dees JH de Estable-Puig Rosita F: See Estable-Puig JF, de Estable-Puig Rosita F
de Estable-Puig Rosita F, Estable-Puig JF: Ultrastructural changes in cen- tral myelinated fibers after a single dose of electromagnetic radiation
(March)  Dehner LH, Ackerman LV: Tumors of the maxilla and mandible in child-hood: A clinicopathologic study of 41 cases (March)
nood. A chineopathologic study of 41 cases (march)

DeMyer WE: See Muller J, DeMyer WE  Denlinger RH, Swenberg JA, Koestner A: The effect of immunosuppression by antilymphocyte serum on the induction of neoplasms by N-nitrosourea (March)	11a 7a
Deodhar SD: Enhancement of metastases by L-asparaginase in mouse tumor systems (March)	80a
Diamandopoulos GT: Leukemia, lymphoma and osteosarcoma induced by simian virus 40 in the syrian golden hamster (March)	90a
Dooley RM: See Braustein H, Dooley RM, Westgard DE  Dorsett Brent: See Ioachim Harry L, Keller Steven, Sabbath Marlene, Andersson Barbro, Dorsett Brent, Essner Edward	70a
Dorsey FC: See Pratt PC, Dorsey FC, Miller JA  Dublin WB: The auditory pathway in erythroblastosis fetalis (March)	56a 10a
Duby Marguerite: See Wolff Marianne, Santiago H, Duby Marguerite  Dvorak Ann M, Dvorak HF: Structure of complete Freund's adjuvant  (March)	100a 97a
Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ: Macrophage migration inhibition: An ultrastructural study using a new method to demonstrate cell surface material (March)	72a
Dvorak HF: See Dvorak Ann M, Dvorak HF	97a
Dvorak HF: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ	72a
Ehrilich JC: Nuclear bodies and cross-banded filaments in a Hodgkins lymph node (March)	99a
Eisenstein R, Sorgente N, Larssen SE, Kuettner KE, Badii M: Differential extractability of cartilage and aortic mucopolysaccharides with guanidine HCI (GuCl) (March)	66a
Eng LF: See Bignami A, Eng LF, Dahl D, Uyeda CT Engblom JF, Carstens LA, Allen JR: Antioxidant induced ultrastructural	7a
and biochemical changes in the liver of monkeys (March)  Epstein SM: See Merkow LP, Epstein SM, Slifkin M, Pardo M  Epstein SM, Verney E, Horowitz C, Sidransky H: Experimental visceral	35a 101a
aspergillosis (March)  Epstein SS: Environment and teratogenesis (March)	34a 85a
Epstein Samuel S: Review article: Environmental pathology (February) Essner Edward: See Ioachim Harry L, Keller Steven, Sabbath Marlene, An-	351 147
dersson Barbro, Dorsett Brent, Essner Edward  Estable-Puig JF: See de Estable-Puig Rosita F, Estable-Puig JF	2a
Estable-Puig JF, de Estable-Puig Rosita F: Reparative remyelination after chronic intracortical lesions (March)	13a
Esterly JR, Schreider JP, Gonzalez-Crussi F: Carrageenan granuloma: Enzyme histochemistry in the adult and newborn rat (March) Esterly John R: See Reale PR, Esterly John R	36a 19a
Fabrizio Angelina M, Cottrell JC: Light and electron microscopy studies of the Fabrizio hamster reticulum cell sarcoma (March)	98a
Fand Sally B: Pituitary structure in human diabetes: Correlations with DNA concentrations (March)	41a
Farber PA: See Haegert DG, Farber PA, Wang NS	104a - 62a
Farber SJ: See Prose PH, Van Pragg D, Farber SJ  Faulkner CS II, Margolis G: The pathology of reovirus Type 3 pneumonitis  (March)	55a
Favara BE: See Franciosi RA, Zimmerman RA, Favara BE Ferrer O: See Pardo V, Perez-Stable E, Alzamora DB, Ferrer O, Cleveland WW	23a 42a
Fields JF: See Cruse JM, Whitten HD, Fields JF, Hester RB, Lewis GK, Watson ES	72a
Finegold MJ: See Miranda D, Schinella RA, Finegold MJ	58a

Fisher B: See Fisher ER, Fisher B Fisher CM: The arterial source of secondary brain stem hemorrhages (March)
Fisher, ER, Fisher B: Local lymphoid response as an index of tumor immun- ity (March)
Fitzgerald Patrick J: See Vinijchaikul Kamolwat, Fitzgerald Patrick J Fix J: See Patel V, Goebel HH, Watanabe I, Siakotos AN, Fix J Fletcher TF, Kurtz HJ: Animal Model for Human Disease: Globoid cell leukodystrophy, Krabbe's disease (February) Ford RJ Jr, Kuhn C: Immunologic capabilities of cells from the lungs
(March)
Foster EA: See Paulson JD, Foster EA Franciosi RA, Zimmerman RA, Favara BE: A model for prevention of congenital bacterial infection (March)
Friedman NB, Van de Velde RL: Hemolymphatic and gonadal defects in mice, germ cell and hemopoietic stem cell migration and germinomas in man (March)
(March) Froehlich L: See Fujikura T, Froehlich L Fujikura T, Froehlich L: A followup of children with single umbilical artery (March)
Gabbiani G, Ryan GB, Hirschel BJ, Majno G: Modification of fibroblasts in Dupuytren's contracture (March)
Gabbiani Giulio, Majno Guido: Dupuytren's contracture: fibroblast contrac-
Galinsky DM, Baratz Mimi, Goldberg GM: Colloid cyst of left lateral ventri- cle of brain: A study of choroid plexus origin (March)
Galvanek Eleonora G: See Cavallo T, Ward PA, Galvanek Eleonora G, Sadun EH, von Lightenberg Franz Gander GW: See Toney R, Gander GW, Goodale F
Gander GW: See Toney R, Gander GW, Goodale F Ganote CE: See Bourdeau J, Carone FA, Ganote CE
Ganote CE: See Grochowski EC, Ganote CE, Jennings RB
Garbus J: See Mergner WJ, Garbus J, Dees JH, Valigorsky JM, Trump BF Gardner Elizabeth: See Jones Margaret Z, Gardner Elizabeth, Yang Modesto Gartner LM: See Goldfischer S, Moore CL, Johnson Anne B, Valsamis MP, Ritch RH, Norton WT, Rapin Isabelle, Gartner LM
Gassenheimer LL: See Blackburn WR, Potter DM, Travers H, Rhodes RA, Gassenheimer LL
Gault H: See Huang SN, Millman I, O'Connell AP, Aronoff A, Gault H, Blumberg BS
Geer JC: See Huang T-Y, Geer JC
Gerber LI: See Balis JU, Rappaport ES, Gerber LI, Neville WE
Ghatak NR, Zimmerman HM: An electron microscopic study of cerebral toxo- plasmosis (March)
Gill TJ III: See Sloan BP, Gill TJ III Glasgow JF: See Lynch MJ, Glasgow JF, Hercz A, Levinson H, Sass- Kortsak A
Glenner G: See Page D, Glenner G
Goebel HH: See Patel V, Goebel HH, Watanabe I, Siakotos AN, Fix J Goldberg GM: See Galinsky DM, Baratz Mimi, Goldberg GM
Goldfischer S, Moore Cl, Johnson Anne B, Valsamis MP, Ritch RH, Norton WT, Rapin Isabelle, Gartner LM: Mitochondrial dysfunction in the cerebro-
hepato-renal syndrome (March)
Gonzalez-Crussi F: See Esterly JR, Schreider JP, Gonzalez-Crussi F Goodale F: See Toney R, Gander GW, Goodale F Goodall FR, Race GJ: An unusual case of Type I muscle fiber atrophy with
mitochondrial abnormalities (March)
Gore I, Miyaski T, Kurozumi T, Hirst A: Aortic permeability during atherogenesis in rabbits (March)
Building in amount (Matter VII)

Gorham JR: See Cheema A, Henson JB, Gorham JR	543
Gould NS: See Gould VE, Gould NS, Benditt EP	79a
Gould VE, Gould NS, Benditt EP: Basal lamina reduplication in human neo-	
plasms (March)	79a
Gray Mary E: See Mahley Robert W, Gray Mary E, LeQuire Virgil S	43
	40
Greider Marie H, McGuigan JE: Immunologic identification of the gastrin	
cell of the human antrum by electron microscopy and the cell's relation to	
ulcerogenic tumors of the pancreas (March)	43a
Grishman Edith, Porush JG, Lee SL: Renal biopsies in lupus nephritis: Cor-	
relation of electron microscopic findings with clinical course (March)	60a
Grochowski EC, Ganote CE, Jennings RB: Effects of cold and cyanide on	004
water distribution in tissue slices from the left ventricle of dog hearts	0.5
(March)	65a
Grogan JB: See Lockard Virginia G, Grogan JB, Brunson JG	68a
Gruenwald P: Fetus and placenta: Which is the cart and which the horse?	
(March)	17a
Guenter CA: See Coalson Jacqueline J, Pingleton WW, Hinshaw LE, Guenter	
CA	102a
Guichard Josette: See Breton-Gorius Janine, Guichard Josette	277
	59a
Gutmann FD: See Wagnild JP, Burkholder PM, Gutmann FD, Rieselbach RE	59a
Gyorkey F, Min K-W, Gyorkey P: Renal changes in hepatitis-associated anti-	
genemia with hematuria: Immunofluorescent and electronmicroscopic study	
(March)	59a
Gyorkey F, Sinkovics JG, Min KW, Gyorkey P: Possible viral synergism	
in the pathogenesis of systemic lupus erythematosus (SLE) (March)	31a
Gyorkey P: See Gyorkey F, Min K-W, Gyorkey P	59a
Gyorkey P: See Gyorkey F, Sinkovics JG, Min KW, Gyorkey P	31a
Gyorkey P: See Yazdi E, Gyorkey F, Gyorkey P	98a
Gyorkey F: See Yazdi E, Gyorkey F, Gyorkey P	
Gyorkey F: See Tazul E, Gyorkey F, Gyorkey F	98a
	400
Haas DC: See Cummings JF, Haas DC	189
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma pre-	189
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma pre- senting as a solitary thyroid nodule (March)	189 104a
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma pre-	
<ul> <li>Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)</li> <li>Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ</li> </ul>	
<ul> <li>Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)</li> <li>Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ</li> </ul>	104a
<ul> <li>Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)</li> <li>Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ</li> <li>Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone</li> </ul>	104a 72a
<ul> <li>Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)</li> <li>Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ</li> <li>Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)</li> </ul>	104a 72a 40a
<ul> <li>Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)</li> <li>Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ</li> <li>Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)</li> <li>Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)</li> </ul>	104a 72a
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)  Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ  Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)  Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)  Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syn-	104a 72a 40a 14a
<ul> <li>Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)</li> <li>Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ</li> <li>Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)</li> <li>Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)</li> <li>Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × T<sub>o</sub>)F; mouse chimeras (March)</li> </ul>	104a 72a 40a
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)  Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ  Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)  Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)  Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × T <sub>0</sub> )F; mouse chimeras (March)  Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl	104a 72a 40a 14a 71a
<ul> <li>Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)</li> <li>Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ</li> <li>Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)</li> <li>Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)</li> <li>Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × T<sub>0</sub>)F; mouse chimeras (March)</li> <li>Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)</li> </ul>	104a 72a 40a 14a
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)  Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ  Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)  Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)  Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × T <sub>0</sub> )F; mouse chimeras (March)  Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl	104a 72a 40a 14a 71a
<ul> <li>Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)</li> <li>Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ</li> <li>Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)</li> <li>Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)</li> <li>Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × T<sub>o</sub>)F; mouse chimeras (March)</li> <li>Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)</li> <li>Hardwick DF, Worth Ann J: Pancreatic islet cell degeneration in methionine excess (March)</li> </ul>	104a 72a 40a 14a 71a
<ul> <li>Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)</li> <li>Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ</li> <li>Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)</li> <li>Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)</li> <li>Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × T<sub>o</sub>)F; mouse chimeras (March)</li> <li>Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)</li> <li>Hardwick DF, Worth Ann J: Pancreatic islet cell degeneration in methionine excess (March)</li> </ul>	104a 72a 40a 14a 71a 26a
<ul> <li>Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)</li> <li>Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ</li> <li>Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)</li> <li>Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)</li> <li>Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × T<sub>0</sub>)F, mouse chimeras (March)</li> <li>Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)</li> <li>Hardwick DF, Worth Ann J: Pancreatic islet cell degeneration in methionine excess (March)</li> <li>Hartmann HA, Whang Paik WC, Lalich JJ: Cerebral edema after coarctation</li> </ul>	104a 72a 40a 14a 71a 26a 21a
<ul> <li>Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)</li> <li>Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ</li> <li>Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)</li> <li>Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)</li> <li>Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × T<sub>0</sub>)F; mouse chimeras (March)</li> <li>Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)</li> <li>Hardwick DF, Worth Ann J: Pancreatic islet cell degeneration in methionine excess (March)</li> <li>Hartmann HA, Whang Paik WC, Lalich JJ: Cerebral edema after coarctation and hydralazine (March)</li> </ul>	104a 72a 40a 14a 71a 26a
<ul> <li>Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)</li> <li>Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ</li> <li>Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)</li> <li>Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)</li> <li>Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × T<sub>o</sub>)F; mouse chimeras (March)</li> <li>Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)</li> <li>Hardwick DF, Worth Ann J: Pancreatic islet cell degeneration in methionine excess (March)</li> <li>Hartmann HA, Whang Paik WC, Lalich JJ: Cerebral edema after coarctation and hydralazine (March)</li> <li>Hartmann JF: See Clasen RA, Pandolifi S, Coogan PS, Laing I, Becker RA,</li> </ul>	104a 72a 40a 14a 71a 26a 21a 2a
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)  Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ  Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)  Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)  Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × T <sub>0</sub> )F; mouse chimeras (March)  Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)  Hardwick DF, Worth Ann J: Pancreatic islet cell degeneration in methionine excess (March)  Hartmann HA, Whang Paik WC, Lalich JJ: Cerebral edema after coarctation and hydralazine (March)  Hartmann JF: See Clasen RA, Pandolifi S, Coogan PS, Laing I, Becker RA, Hartmann JF	104a 72a 40a 14a 71a 26a 21a 2a 1a
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)  Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ  Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)  Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)  Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × T <sub>o</sub> )F; mouse chimeras (March)  Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)  Hardwick DF, Worth Ann J: Panereatic islet cell degeneration in methionine excess (March)  Hartmann HA, Whang Paik WC, Lalich JJ: Cerebral edema after coarctation and hydralazine (March)  Hartmann JF: See Clasen RA, Pandolifi S, Coogan PS, Laing I, Becker RA, Hartmann JF  Hass G: See Hsu G, Kalin G, Malikova S, Coogan P, Hass G	104a 72a 40a 14a 71a 26a 21a 2a 1a 80a
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)  Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ  Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)  Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)  Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × T <sub>0</sub> )F, mouse chimeras (March)  Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)  Hardwick DF, Worth Ann J: Panereatic islet cell degeneration in methionine excess (March)  Hartmann HA, Whang Paik WC, Lalich JJ: Cerebral edema after coarctation and hydralazine (March)  Hartmann JF: See Clasen RA, Pandolifi S, Coogan PS, Laing I, Becker RA, Hartmann JF  Hass G: See Hsu G, Kalin G, Malikova S, Coogan P, Hass G  Haust MD: See Oteruelo FT, Hudson AJ, Haust MD	104a 72a 40a 14a 71a 26a 21a 2a 1a 80a 39a
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)  Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ  Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)  Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)  Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × To)F, mouse chimeras (March)  Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)  Hardwick DF, Worth Ann J: Pancreatic islet cell degeneration in methionine excess (March)  Hartmann HA, Whang Paik WC, Lalich JJ: Cerebral edema after coarctation and hydralazine (March)  Hartmann JF: See Clasen RA, Pandolifi S, Coogan PS, Laing I, Becker RA, Hartmann JF  Hass G: See Hsu G, Kalin G, Malikova S, Coogan P, Hass G  Haust MD: See Oteruelo FT, Hudson AJ, Haust MD  Hay JB: See Murphy MJ, Hay JB, Morris Bede, Bessis MC	104a 72a 40a 14a 71a 26a 21a 2a 1a 80a
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)  Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ  Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)  Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)  Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × To)F; mouse chimeras (March)  Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)  Hardwick DF, Worth Ann J: Pancreatic islet cell degeneration in methionine excess (March)  Hartmann HA, Whang Paik WC, Lalich JJ: Cerebral edema after coarctation and hydralazine (March)  Hartmann JF: See Clasen RA, Pandolifi S, Coogan PS, Laing I, Becker RA, Hartmann JF  Hass G: See Hsu G, Kalin G, Malikova S, Coogan P, Hass G  Haust MD: See Oteruelo FT, Hudson AJ, Haust MD  Hay JB: See Murphy MJ, Hay JB, Morris Bede, Bessis MC  Hay JB, Murphy MJ, Morris Bede, Bessis MC: Quantitative studies on the	104a 72a 40a 14a 71a 26a 21a 2a 1a 80a 39a
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)  Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ  Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)  Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)  Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × To)F, mouse chimeras (March)  Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)  Hardwick DF, Worth Ann J: Pancreatic islet cell degeneration in methionine excess (March)  Hartmann HA, Whang Paik WC, Lalich JJ: Cerebral edema after coarctation and hydralazine (March)  Hartmann JF: See Clasen RA, Pandolifi S, Coogan PS, Laing I, Becker RA, Hartmann JF  Hass G: See Hsu G, Kalin G, Malikova S, Coogan P, Hass G  Haust MD: See Oteruelo FT, Hudson AJ, Haust MD  Hay JB: See Murphy MJ, Hay JB, Morris Bede, Bessis MC	104a 72a 40a 14a 71a 26a 21a 2a 1a 80a 39a
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)  Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ  Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)  Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)  Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × To)F; mouse chimeras (March)  Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)  Hardwick DF, Worth Ann J: Pancreatic islet cell degeneration in methionine excess (March)  Hartmann HA, Whang Paik WC, Lalich JJ: Cerebral edema after coarctation and hydralazine (March)  Hartmann JF: See Clasen RA, Pandolifi S, Coogan PS, Laing I, Becker RA, Hartmann JF  Hass G: See Hsu G, Kalin G, Malikova S, Coogan P, Hass G  Haust MD: See Oteruelo FT, Hudson AJ, Haust MD  Hay JB: See Murphy MJ, Morris Bede, Bessis MC  Hay JB, Murphy MJ, Morris Bede, Bessis MC: Quantitative studies on the proliferation and differentiation of antibody-forming cells in lymph (Jan-	104a 72a 40a 14a 71a 26a 21a 2a 1a 80a 39a
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)  Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ  Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)  Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)  Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × Te)F, mouse chimeras (March)  Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)  Hardwick DF, Worth Ann J: Pancreatic islet cell degeneration in methionine excess (March)  Hartmann HA, Whang Paik WC, Lalich JJ: Cerebral edema after coarctation and hydralazine (March)  Hartmann JF: See Clasen RA, Pandolifi S, Coogan PS, Laing I, Becker RA, Hartmann JF  Hass G: See Hsu G, Kalin G, Malikova S, Coogan P, Hass G  Haust MD: See Oteruelo FT, Hudson AJ, Haust MD  Hay JB: See Murphy MJ, Hay JB, Morris Bede, Bessis MC  Hay JB, Murphy MJ, Morris Bede, Bessis MC: Quantitative studies on the proliferation and differentiation of antibody-forming cells in lymph (January)	104a 72a 40a 14a 71a 26a 21a 2a 1a 80a 39a 25
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)  Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ  Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)  Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)  Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × To)F, mouse chimeras (March)  Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)  Hardwick DF, Worth Ann J: Pancreatic islet cell degeneration in methionine excess (March)  Hartmann HA, Whang Paik WC, Lalich JJ: Cerebral edema after coarctation and hydralazine (March)  Hartmann JF: See Clasen RA, Pandolifi S, Coogan PS, Laing I, Becker RA, Hartmann JF  Hass G: See Hsu G, Kalin G, Malikova S, Coogan P, Hass G  Haust MD: See Oteruelo FT, Hudson AJ, Haust MD  Hay JB: See Murphy MJ, Hay JB, Morris Bede, Bessis MC  Hay JB, Murphy MJ, Morris Bede, Bessis MC: Quantitative studies on the proliferation and differentiation of antibody-forming cells in lymph (January)  Hendrickson G: See Shin MI, Hendrickson G, Murphy E	104a 72a 40a 14a 71a 26a 21a 2a 1a 80a 39a 25
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)  Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ  Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)  Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)  Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × To)F, mouse chimeras (March)  Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)  Hardwick DF, Worth Ann J: Pancreatic islet cell degeneration in methionine excess (March)  Hartmann HA, Whang Paik WC, Lalich JJ: Cerebral edema after coarctation and hydralazine (March)  Hartmann JF: See Clasen RA, Pandolifi S, Coogan PS, Laing I, Becker RA, Hartmann JF  Hass G: See Hsu G, Kalin G, Malikova S, Coogan P, Hass G  Haust MD: See Oteruelo FT, Hudson AJ, Haust MD  Hay JB: See Murphy MJ, Hay JB, Morris Bede, Bessis MC  Hay JB, Murphy MJ, Morris Bede, Bessis MC: Quantitative studies on the proliferation and differentiation of antibody-forming cells in lymph (January)  Hendrickson G: See Shin MI, Hendrickson G, Murphy E  Henson EC, Weaver DQ, Lockard VG, Takano H, Takagi H, Akutsu T,	104a 72a 40a 14a 71a 26a 21a 2a 1a 80a 39a 25
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)  Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ  Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)  Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)  Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × To)F; mouse chimeras (March)  Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)  Hardwick DF, Worth Ann J: Pancreatic islet cell degeneration in methionine excess (March)  Hartmann HA, Whang Paik WC, Lalich JJ: Cerebral edema after coarctation and hydralazine (March)  Hartmann JF: See Clasen RA, Pandolifi S, Coogan PS, Laing I, Becker RA, Hartmann JF  Hass G: See Hsu G, Kalin G, Malikova S, Coogan P, Hass G  Haust MD: See Oteruelo FT, Hudson AJ, Haust MD  Hay JB: See Murphy MJ, Hay JB, Morris Bede, Bessis MC  Hay JB, Murphy MJ, Morris Bede, Bessis MC: Quantitative studies on the proliferation and differentiation of antibody-forming cells in lymph (January)  Hendrickson G: See Shin MI, Hendrickson G, Murphy E  Henson EC, Weaver DQ, Lockard VG, Takano H, Takagi H, Akutsu T, Arhelger RB, Brunson JG: Morphologic alterations in sheep after implan-	104a 72a 40a 14a 71a 26a 21a 2a 1a 80a 39a 25
Haegert DG, Farber PA, Wang NS: A nonchromaffin paraganglioma presenting as a solitary thyroid nodule (March)  Hammond M Elizabeth: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ  Hammond WS, Alfrey AC, Huffer WE: Metastatic calcification and bone disease in chronic dialysis patients (March)  Hanissian A, Martinez AJ, Jabbour JT: Rubella vaccine myositis (March)  Hard RC Jr: Sequence of histopathologic changes in host-versus-graft syndrome in C3H/(C3H × To)F, mouse chimeras (March)  Hardwick DF, Applegarth DA, Ingram P: Urinary excretion of adenosyl thionium products in homocystinuria (March)  Hardwick DF, Worth Ann J: Pancreatic islet cell degeneration in methionine excess (March)  Hartmann HA, Whang Paik WC, Lalich JJ: Cerebral edema after coarctation and hydralazine (March)  Hartmann JF: See Clasen RA, Pandolifi S, Coogan PS, Laing I, Becker RA, Hartmann JF  Hass G: See Hsu G, Kalin G, Malikova S, Coogan P, Hass G  Haust MD: See Oteruelo FT, Hudson AJ, Haust MD  Hay JB: See Murphy MJ, Hay JB, Morris Bede, Bessis MC  Hay JB, Murphy MJ, Morris Bede, Bessis MC: Quantitative studies on the proliferation and differentiation of antibody-forming cells in lymph (January)  Hendrickson G: See Shin MI, Hendrickson G, Murphy E  Henson EC, Weaver DQ, Lockard VG, Takano H, Takagi H, Akutsu T,	104a 72a 40a 14a 71a 26a 21a 2a 1a 80a 39a 25

Hercz A: See Lynch MJ, Glasgow JF, Hercz A, Levinson H, Sass-Kortsak A Herndon RM: See Weiner LP, Herndon RM, Narayan O	20a 5a
Hester RB: See Cruse JM, Whitten HD, Fields JF, Hester RB, Lewis GK,	
Watson ES Highman B, Streett RP Jr, Byers NT: Effect of isoproterenol on susceptibil-	72a
ity of X-irradiated rats to experimental bacterial endocarditis (March) Hinshaw LE: See Coalson Jacqueline J, Pingleton WW, Hinshaw LE, Guenter	48a
	102a
Hiramoto R: Sec Stewart MJ, Pretlow TG, Hiramoto R  Hiramo A, Zimmerman HM: Fenestrated blood vessels in metastatic brain tumor (March)	79a 8a
Hirschell BJ: See Gabbiani G, Ryan GB, Hirschell BJ, Majno G	91a
Hirst A: See Gore I, Miyaski T, Kurozumi T, Hirst A  Hogan EL: See Krigman MR, Reitz RC, Wilson Marion H, Newell LR, Hogan EL	47a 1a
Holtzer H: Cell biology of abnormal development: An embryologist's teratology (March)	83a
Horowitz C: See Epstein SM, Verney E, Horowitz C, Sidransky H	34a
Horowitz RE: The role of antifibrinolysin (a <sub>1</sub> -Antitrypsin) in the pathogenesis of hyaline membrane disease (March)	52a
Hsu KC: See Zimmerman EA, Hsu KC, Robinson AG, Tannenbaum M Hsu G: See McClain E, Stein L, Hsu G, Scott R	66a 81a
Hsu G, Kalin G, Malikova S, Coogan P, Hass G: Absortion of metabolites of 2-acetylaminofluorene (2-AAF) from the urinary bladder of rabbits fed 2-AAF (March)	80a
Huang SN, Millman I, O'Connell AP, Aronoff A, Gault H, Blumberg BS: Electronmicroscopic and immunoelectronmicroscopic studies of virus parti- cles in human liver with Australia antigen Au(1) associated hepatitis (March)	93a
Huang T-Y, Geer JC: Histopathology of intramyocardial arteries in normal and arteriosclerotic hearts (March)	50a
Hudson AJ: See Oteruelo FT, Hudson AJ, Haust MD	39a
Huffer WE: See Hammond WS, Alfrey AC, Huffer WE Hughes R: See Wissler RW, Vesselinovitch D, Hughes R	40a 92a
Huseby RA: See Roth LM, Sternberg WH, Huseby RA, MacPhee AA, Cole FE, Rice BF	77a
Hutchins GM, Maron BJ: The pathogenesis of endocardial valvuloids (March) Hutchins Grover M, Vie Sergio A: The progression of interstitial myocarditis to idiopathic endocardial fibroelastosis (March)	51a 483
Huttner I, Boutet M, More RH: Passage of fine-structural protein tracers	
through arterial endothelium during period of catecholamine and mechanically induced high and low blood pressure (March)	46a
Hyman VC: See Kolodny EH, Astrom KE, Caufield JB, Hyman VC, Richardson EP	12a
Ikeda RM: See Volk TL, Ikeda RM Ikuta F, Kumanishi T, Oyanagi S, Koizumi T, Yamamura Y: Morphologic	103a 6a
and biologic investigation of Neuro-Behcet disease (March)  Ingram P: See Hardwick DF, Applegarth DA, Ingram P	26a
Ioachim Harry L, Keller Steven, Sabbath Marlene, Andersson Barbro, Dorsett Brent, Essner Edward: Myeloperoxidase and crystalline bodies in the granules of DMBA-induced rat chloroma cells: Ultrastructure cytochemistry, and tissue culture (January)	147
and tissue curvate (valually)	
Jabbour JT: See Hanissian A, Martinez AJ, Jabbour JT	14a
Jankus EF: See Staley NA, Noren GR, Jankus EF  Jauregui H: See Abramowsky C, Jauregui H, Bradford W	49a 97a
Jones Margaret Z, Gardner Elizabeth, Yang Modesto: Methylazoxymethanol- induced ultrastructural lesions in the postnatal mouse cerebellum (March)	3a

Jennings RB: See Grocnowski EC, Ganote CE, Jennings RB
Jervis Helen R: See Nagle RB, Bulger Ruth E, Cutler RE, Jervis Helen R
Jewett PH: See Sommer JR, Jewett PH  Johnson Anne B: See Goldfischer S, Moore CL, Johnson Anne B, Valsamis  MB Pitch PH North WK PR 15 Johnson Anne B, Valsamis
MP, Ritch RH, Norton WT, Rapin Isabelle, Gartner LM  Johnson Horton A, Pavelec Mildred: Thermal injury due to normal body tem-
perature (March)
Johnson WW: See Price RA, Johnson WW
Kalin G: See Hsu G, Kalin G, Malikova S, Coogan P, Hass G Kanich RE, Kessler JB, Craighead JE: Renal lesion associated with virus- induced diabetes mellitus in mice (March)
Karnovsky MJ: See Dvorak Ann M, Hammond M Elizabeth, Dvorak HF, Karnovsky MJ
Karstad L: See Tsai KS, Karstad L
Kasdon EJ, Schlossman SF: An experimental model of necrotizing and gran-
ulomatous pulmonary arterial inflammation (March)
Kedys M: See Scott R, Turner R, Kedys M, Lesak Anne
Keller Steven: See Ioachim Harry L, Keller Steven, Sabbath Marlene, An-
dersson Barbro, Dorsett Brent, Essner Edward
Kessler JB: See Kanich RE, Kessler JB, Craighead JE
Khairallan PA: See Robertson AL Jr, Khairallan PA
Kihara I: See Spear GS, Kihara I
Kikkawa Y: Osmiophilia of saturated phospholipid, dipalmitoyl lecithin and
its relationship to the osmiophilia of the surfactant related structures of
the lung (March)
Kilham L: See Margolis G, Kilham L, Baringer JR
Kim R: See Rosales RK, Kim R, Mallory GK
Kirkpatrick JB, Palmer Sue M: Ionic requirements for rapid particulate axoplasmic flow (March)
Kisilevsky R, Li K, Wasan MT: A comparison of computor simulated and
experimental alterations in protein synthesis (March)
Kleinerman J, Rice DB: A postmortem epidemiologic study of emphysema
and bronchitis in young males (March)
Klintworth GK: Morphologic observations on a unique keratopathy associ-
ated with pingueculae and typified by characteristic extracellular concre-
tions (March)
Knelson John H: See Krasno James R, Knelson John H, Dalldorf Frederic G
Knepshield JH: See Saladino AJ, Stone WJ, Macken DL, Knepshield JH
Koestner A: See Denlinger RH, Swenberg JA, Koestner A
Koizumi T: See Ikuta F, Kumanishi T, Oyanagi S, Koizumi T, Yamamura Y Kolodny EH, Astron KE, Caufield JB, Hyman VC, Richardson EP: Mor-
phologic studies in the O variant of G <sub>M2</sub> -gangliosidosis (March)
Konda S: See Smith R, Konda S
Koppang N: See Siakotos AN, Koppang N, Zeman W Kosek Jon C: See Brody William R, Angell William W, Kosek Jon C
Kosek Jon C: See Schober Ralf, Kosek Jon C, Wolf Paul L  Krasno James R, Knelson John H, Dalldorf Frederic G: Changes in the
alveolar lining with onset of breathing (March)
Kretchmer N: Biochemistry of anomalies, some problems and issues (de-
velopmental biochemistry and teratology) (March)
Krigman MR, Reitz RC, Wilson Marion H, Newell LR, Hogan EL: Morphometric and sphingolipid composition of myelin in lead-intoxicated and
undernourished suckling rats (March)
Kuettner KE: See Eisenstein R, Sorgente N, Larssen SE, Kuettner KE,
Badii M
Kuhn C: See Ford RJ Jr, Kuhn C
Kuhns WJ, Bramson Sharon, Pann Charlotte: Karyotypically alike HeLa cells differentiating with respect to blood group H (March)

umanishi T: See Ikuta F, Kumanishi T, Oyanagi S, Koizumi T, Yama-
mura Y urozumi T: See Gore I, Miyaski T, Kurozumi T, Hirst A
urtz HJ: See Fletcher TF, Kurtz HJ
yriazis AK: See Shanklin DR, Kyriazis AK
7-10-0
aing I: See Clasen RA, Pandolfi S, Coogan PS, Laing I, Becker RA, Hartmann JF
alich JJ: See Hartmann HA, Whang Paik WC, Lalich JJ
alich JJ, Allen JR, Paik WCW: Myocardial fibrosis and smooth muscle
cell hyperplasia in coronary arteries of allylamine-fed rats (February)
anding BH: Malformation syndromes (March)
anding BH: Practical pathology of congenital malformations (March)
arson EJ: See Philip AGS, Larson EJ
arssen SE: See Eisenstein R, Sorgente N, Larssen SE, Kuettner KE, Badii M
attes R: See Wolff Marianne, Santiago H, Lattes R
avine Robert L: See Like Arthur A, Lavine Robert L, Poffenbarger Philip
L, Chick William L  azarus SS: See Wellman KF, Volk BW, Lazarus SS, Brancato P, Amster-
dam D
azarus SS, Shapiro SH: Comparison of ultrastructural changes in nuclei
of rabbit pancreatic islet B cells induced by streptozotocin, alloxan and
in vitro necrosis (March)
ee DJ: See Scarpelli DG, Lee DJ, Sinnhuber RO, Chiga M
ee SL: See Grishman Edith, Porush JG, Lee SL
eQuire Virgil S: See Mahley Robert W, Gray Mary E, Lequire Virgil S
erman RI, Pitcock JA, Muirhead EE: Interstitial cell tumor of the kidney
(Formerly renal medullary fibroma) (March)
eroy Elie P: Ultrastructure of alveoli in acute and chronic fibrosing
alveolitis (March) esak Anne: See Scott R, Turner R, Kedys M, Lesak Anne
Levinson H: See Lynch MJ, Glasgow JF, Hercz A, Levinson H, Sass-Kortsak
A
ewis GK: See Cruse JM, Whitten HD, Fields JF, Hester RB, Lewis GK
Watson ES
i K: See Kisilevsky R, Li K, Wasan MT
Like Arthur A, Lavine Robert L, Poffenbarger Philip L, Chick William L Studies in the diabetic mutant mouse. VI. Evolution of glomerular lesion
and associated proteinuria (February)
Lindgren A: See Moncure CW, Lindgren A, Allen Mae Ellen Lindquist R: See Tatum Susan, Lindquist R
in M: Ultrastructural changes in neurones and peripheral nerves in met
achromatic leukodystrophy (March)
ockard VG: See Henson EC, Weaver DQ, Lockard VG, Takano H, Takagi H
Akutsu T, Arhelger RB, Brunson JG
ockard Virginia G, Grogan JB, Brunson JG: Alteration in phagocytic func
tion of rabbit alveolar macrophages following rotational stress (March)
ockwood WR: See Clower Ben R, Lockwood WR
Lumbreras Hugo: See Recavarren Sixto, Lumbreras Hugo
Lynch MJ, Glasgow JF, Hercz A, Levinson H, Sass-Kortsak A: The pa thology of α1-antitrypsin deficiency in children: A study of 10 cases. Oc
currence of both liver and lung disease in 2 siblings (March)
Macintyre EH, Wintersgill CJ, Thormar H: Morphologic transformation o human astrocytes by visna virus (March)
MacKay B, Butler JJ: The fine structure of neurogenic tumors (March)
Macken DL: See Saladino AJ Stone WJ Macken DL Knepshield JH

0

MacPhee AA: See Roth LM, Sternberg WH, Huseby RA, MacPhee AA, Cole FE, Rice BF	
Mahlar Dahart W. Cran Mara P. L.O.; Vinit C. D. L. & L.	77a
Mahley Robert W, Gray Mary E, LeQuire Virgil S: Role of plasma lipopro-	
teins in cortisone-induced fat embolism (January)	43
Majno G: See Gabbiani G, Ryan GB, Hirschell BJ, Majno G	91a
Majno Guido: See Gabbiani Giulio, Majno Guido	131
Malikova S: See Hsu G, Kalin G, Malikova S, Coogan P, Hass G	80a
Mallory GK: See Rosales RK, Kim R, Mallory GK	14a
Mann JD: See Adelman LS, Mann JD, Bass NH	3a
Mansour N: See Smith JH, Torky H, Mansour N	33a
Manz Herbert J, Robertson David M: Vascular permeability to horseradish peroxidase in brainstem lesions of thiamine-deficient rats (March)	565
Margolis G: See Faulkner CS II, Margolis G	55a
Margolis G: Kilham L, Baringer JR: Nuclear body formation in the rat	
brain after the inoculation of reovirus Type 3 (March)	31a
Maron BJ: See Hutchins GM, Maron BJ	51a
Marquet E: See Sobel HJ, Marquet E, Schwarz Ruth	77a
Martin JH: See McClurg FV, Martin JH, Race GJ	29a
Martinez AJ: See Hanissian A, Martinez AJ, Jabbour JT	14a
McClain E, Stein L, Hsu G, Scott R: Relation between induction of breast	170
tumors in rats with 2-acetylaminofluorene (2-AAF) and urinary excretion	
of N-hydroxy-2-acetylaminofluorene (March)	81a
McClurg FV, Martin JH, Race GJ: Electron microscopic findings in an	ora
autopsy case of acute amebic colitis (March)	00-
MaCov PC: See Daniele CA Prode VD McCov PC	29a
McCoy RC: See Daniels CA, Broda KR, McCoy RC	73a
McCreadie SR: See Tang TT, McCreadie SR	22a
McCully Kilmer S: Macromolecular basis for homocysteine-induced changes	
in proteoglycan structure in growth and arteriosclerosis (January)	83
McDougal D, Combs JW: The effect of surgical biopsy on cell kinetics of	
DMBA-induced rat mammary tumors (March)	76a
McDowell Elizabeth M: Light and electron microscopic studies of the rat	
kidney after administration of inhibitors of the citric acid cycle in vivo:	
I. Effects of sodium fluoroacetate on the proximal convoluted tubule	
(March)	513
McGuigan JE: See Greider Marie H, McGuigan JE	43a
McNamara Anne L: See Smith DWE, McNamara Anne L	68a
Meeker WR Jr: See Parker JC Jr, Richards JD, Meeker WR Jr	76a
Mergner WJ: See Trump BF, Valigorsky JM, Mergner WJ, Dees JH	88a
Mergner WJ, Garbus J, Dees JH, Valigorsky JM, Trump BF: Structural and	
functional changes in human kidney and liver mitochondria in acute cell	
injury after shock and trauma (March)	36a
Merkow LP, Epstein SM, Slifkin M, Pardo M: Ultrastructure of 2-fluorenyl-	
acetamide (2-FAA) in duced acoustic duct tumors in the rat (March)	101a
Merrick HW: See Sharma HM, Moore S, Merrick HW, Smith MR	445
Miller Fisher C: Cerebral miliary aneurysms in hypertension (February)	313
Miller JA: See Pratt PC, Dorsey FC, Miller JA	56a
Miller JFAP: See Anderson RE, Sprent J, Warner NL, Miller JFAP	88a
Millman I: See Huang SN, Millman I, O'Connell AP, Aronoff A, Gault H,	COL
Blumberg BS	93a
Min K-W: See Gyorkey F, Min K-W, Gyorkey P	59a
Min K-W: See Gyorkey F, Sinkovics JG, Min K-W, Gyorkey P	31a
Miranda D, Schinella RA, Finegold MJ: Microdissection studies of familial	
renal dysplasia associated with malformations of the nervous system and	
fibroductular proliferation in the liver (March)	58a
Misugi K, Tomiyama T, Arimoto T: Adenovirus hepatitis (March)	26a
Miyaski T: See Gore I, Miyaski T, Kurozumi T, Hirst A	47a
Mody NJ, Sharma S, Race GJ: Immunity to malaria during pregnancy:	
Studied by immunochemical and immunofluorescence technics (March)	74a
Moncure CW, Lindgren A, Allen Mae Ellen: An immunologically specific	

pancreatic esterase (March)	75a
Moore CL: See Goldfischer S, Moore CL, Johnson Anne B, Valsamis MP,	
Ritch RH, Norton WT, Rapin Isabelle, Gartner LM	43a
Moore S: See Sharma HM, Moore S, Merrick HW, Smith MR	445
More RH: See Huttner I. Boutet M. More RH	46a
More RH, Sumiyoshi A, Weigensberg BI: Thromboatherosclerosis in nor-	
molipidemic rabbits (March)	51a
Morris Bede: See Hay JB, Murphy MJ, Morris Bede, Bessis MC	1
Morris Bede: See Murphy MJ, Hay JB, Morris Bede, Bessis MC	25
Muirhead EE: See Lerman RI, Pitcock JA, Muirhead EE	95a
Muller J, DeMyer WE: Congenital universal muscular hypoplasia (March) Murad TM, Stevenson TD, von Haam E: An ultrastructural study of ex- perimental lymphoma and leukemia produced with 7,12 DMBA in Long- Evans rats (March)	11a
Murphy E: See Shin MI, Hendrickson G, Murphy E	45a
Murphy FL: See Becker CG, Murphy FL	67a
Murphy MJ: See Hay JB, Murphy MJ, Morris Bede, Bessis MC	1
Murphy MJ, Hay JB, Morris Bede, Bessis MC: Ultrastructural analysis of	1
antibody synthesis in cells from lymph and lymph nodes (January)	25
antibody synthesis in cens from lymph and lymph nodes (January)	20
Naeye RL: Coal workers' pneumoconiosis: Correlation of radiologic and	
postmortem findings (March)	52a
Naeye RL, Blanc WA: The influences of maternal age, height and marital	020
	958
status on perinatal death (March)	308
Naeye RL, Newman Thelma, Blanc W: Repeated unsuccessful pregnancies:	271
A profile based on newborn autopsies (March)	211
Nagle RB, Bulger Ruth E, Cutler RE, Jervis Helen R: Acute obstructive nephropathy in the rabbit: A physiologic, histochemical and morphologic	61.
study (March)	618
Narayan O: See Weiner LP, Herndon RM, Narayan O	58
Neville WE: See Balis JU, Rappaport ES, Gerber LI, Neville WE	53
Newell LR: See Krigman MR, Reitz RC, Wilson Marion H, Hogan EL	1:
Newman Thelma: See Naeye RL, Newman Thelma, Blanc W	27
Newton WA Jr: See Bradel EJ, Newton WA Jr	25
Noren GR: See Staley NA, Noren GR, Jankus EF	49
Norton WT: See Goldfischer S, Moore CL, Johnson Anne B, Valsamis MP, Ritch RH, Norton WT, Rapin Isabelle, Gartner LM	43
O'Connell AP: See Huang SN, Millman I, O'Connell AP, Aronoff A, Gault H,	93:
Blumberg BS Oterwele ET Huden Al Heast MD: Comparative ultrestructural studies	201
Oteruelo FT, Hudson AJ, Haust MD: Comparative ultrastructural studies	
of muscle in para-Duchenne and Duchenne types of muscular dystrophy	00
(March)	39
Oyanagi S: See Ikuta F, Kumanishi T, Oyanagi S, Koizumi T, Yamamura Y	6
Page D, Glenner G: Social interaction and wounding in the genesis of 'spontaneous' murine amyloidosis (March)	102
Paik WCW: See Lalich JJ, Allen JR, Paik WCW	22
Palmer Sue M: See Kirkpatrick JB, Palmer Sue M	4
Pandolfi S: See Clasen RA, Pandolfi S, Coogan PS, Laing I, Becker RA, Hartmann JF	1:
Pann Charlotte: See Kuhns WJ, Bramson Sharon, Pann Charlotte	67
	101
Pardo V. Perez-Stable E, Alzamora DB, Ferrer O, Cleveland WW: Incidence	201
and significance of muscle capillary basal lamina thickening in juvenile	
diabetes (March)	42
Parker JC Jr, Richards JD, Meeker WR Jr: Histopathologic revelations of	34
the staging abdominal exploration in Hodgkin's disease—combined mor-	

611

phologic types (March)	,
Patel V, Goebel HH, Watanabe I, Siakotos AN, Fix J: Chemical and electron	
microscopic studies in G <sub>M1</sub> -gangliosidosis, Type 2 (March)  Paulson JD, Foster EA: The role of staphylococcal nuclease in the destruc-	
tion of leukocytes by phagocytized Staphylococcus aureus (March)	
Pavelec Mildred: See Johnson Horton A, Pavelec Mildred	
Penha PD, Amaral L, Werthamer S: Ultrastructural and biochemical altera-	
tion in mouse lung exposed to ozone (March)	
Pentschew A: Formal genesis of cystic fibrosis (March)	
Perez-Stable E: See Pardo V, Perez-Stable E, Alzamora DB, Ferrer O,	
Cleveland WW	
Philip AGS, Larson EJ: Congenital infection with ECHO 19 virus (March)	
Phillips BP: See Takeuchi A. Phillips BP	
	1
Phillips MJ: See Yu Dinah, Phillips MJ Pingleton WW: See Coalson Jacqueline J, Pingleton WW, Hinshaw LE,	1
Guenter CA	1
Pitcock JA: See Lerman RI, Pitcock JA, Muirhead EE	
Poffenbarger Philip L: See Like Arthur A, Lavine Robert L, Poffenbarger Philip L, Chick William L	
Porush JG: See Grishman Edith, Porush JG, Lee SL	
Potter DM: See Blackburn WR, Potter DM, Travers H, Rhodes RA, Gassen-	
heimer LL	
Pratt PC, Dorsey FC, Miller JA: Quantification of centrilobular emphysema	
in 681 nonselected autopsies (March)	
Pretlow TG: See Stewart MJ, Pretlow TG, Hiramoto R	
Pretlow TG II: Purification of beating cardiac myocytes using programmed	
gradient sedimentation (March)	
Price RA, Johnson WW: Acute lymphocytic leukemia in the central nervous	
system: An arachnoid disease (March)	
Price RA, Vawter GF: Arterial fibromuscular dysplasia in infancy and childhood (March)	
Prose PH, Van Pragg D, Farber SJ: In vitro effect of increased osmolality	
on rabbit renal papilla: An electron microscopic study (March)	
Quirke Patricia J: See Alousi MA, Quirke Patricia J	
Race GJ: See Goodall FR, Race GJ	
Race GJ: See McClurg FV, Martin JH, Race GJ	
Race GJ: See Mody NJ, Sharma S, Race GJ	
Rapin Isabelle: See Goldfischer S, Moore CL, Johnson Anne B, Valsamis MP,	
Ritch RH, Norton WT, Rapin Isabelle, Gartner LM	
Rappaport ES: See Balis JU, Rappaport ES, Gerber LI, Neville WE	
Rasmussen R: See Valigorsky JM, Rasmussen P	
Reale PR, Esterly John R: Pulmonary development in infants with anen-	
cephaly and renal malformations (March)	
Recavarren Sixto, Lumbreras Hugo: Pathogenesis of the verruga of Carrion's	
disease: Ultrastructural studies (March)	
Reddy Janardan, Svoboda Donald: Microbodies (peroxisomes) identification	
in Leydig cells of rodent testes (March)	
Reed GB Jr: The metabolism of glycogen in organ culture of postnatal rat liver (March)	
Reichenbach DD: Myofibrillar degeneration and myocardial infarction: Two	
morphologically distinguishable lesions (March)	
Reitz RC: See Krigman MR, Reitz RC, Wilson Marion H, Newell LR, Hogan	
EL	
Rhodes RA: See Blackburn WR, Potter DM, Travers H, Rhodes RA, Gas-	
senheimer LL	
Rice BF: See Roth LM, Sternberg WH, Huseby RA, MacPhee AA, Cole FE,	

Rice BF
Rice DB; See Kleinerman J, Rice DB
Richards JD: See Parker JC Jr, Richards JD, Meeker WR Jr
Richardson EP: See Kolodny EH, Astrom KE, Caufield JB, Hyman VC,
Richardson EP
Richter GW: See Choie DD, Richter GW
Richter GW: See Solez K, Richter GW
Richter Goetz W: See Choie David D, Richter Goetz W
Rieselbach RE: See Wagnild JP, Burkholder PM, Gutmann FD, Rieselbach RE
Ritch RH: See Goldfischer S, Moore CL, Johnson Anne B, Valsamis MP, Ritch RH, Norton WT, Rapin Isabelle, Gartner LM
Rixse RS, Wilson JW, Bradford WD: Testicular tumors in young males (March)
Robertson AL Jr, Khairallan PA: Effects of angiotensin II on endothelial permeability to serum lipids (March)
Robertson David M: See Manz Herbert J, Robertson David M
Robinson AG: See Zimmerman EA, Hsu KC, Robinson AG, Tannenbaum M Robinson RR: See Woodhall PB, Tisher CC, Robinson RR
Rosales RK, Kim R, Mallory GK: Early pathologic changes in cerebral death (March)
Rosan RC: Toward a general theory of the neonatal lung (March)
Rosenbaum RM: See Wittner M, Rosenbaum RM
Roth LM, Sternberg WH, Huseby RA, MacPhee AA, Cole FE, Rice BF:
Transplantable luteoma of the mouse: An electron microscopic and bio- chemical study (March)
Ryan GB: See Gabbiani G, Ryan GB, Hirschell BJ, Majno G
Sabbath Marlene: See Ioachim Harry L, Keller Steven, Sabbath Marlene,
Andersson Barbro, Dorsett Brent, Essner Edward  Sadun EH: See Cavallo T, Ward PA, Galvanek Eleonora G, Sadun EH, von
Lightenberg Franz Sahaphong S, Trump BF: Mitochondrial matrix densities in cell injury
Sahaphong S, Trump BF: Mitochondrial matrix densities in cell injury (March)
Saladino AJ, Stone WJ, Macken DL, Knepshield JH: Tubular alterations in
human acute renal failure (March)
Santiago H: See Wolff Marianne, Santiago H, Duby Marguerite
Santiago H: See Wolff Marianne, Santiago H, Lattes R
Sass-Kortsak A: See Lynch MJ, Glasgow JF, Hercz A, Levinson H, Sass- Kortsak A
Saxen L: Chemical teratogenesis in vitro (March)
Saxen L: Inductive tissue interactions and abnormal development (March)
Scarpelli DG, Lee DJ, Sinnhuber RO, Chiga M: Cytoplasmic alterations and aflatoxin detoxification in rainbow trout (S gairdnerii) after cycloprope-
noid fatty acid feeding (March)
Schinella RA: See Miranda D, Schinella RA, Finegold MJ
Schlossman SF: See Kasdon EJ, Schlossman SF
Schneck L: See Adachi M, Torii J, Schneck L, Briet PE, Volk BW
Schober Ralf, Kosek Jon C, Wolf Paul L: Ultrastructure of chloramphenicol- induced vacuoles in bone marrow pronormoblasts (March)
Schoning Polly, Anderson NV, Westfall Jane A: Effect of staphylococcal a-
toxin on the fine structure of pancreatic acinar cells of dogs (March)
Schreider JP: See Esterly JR, Schreider JP, Gonzalez-Crussi F
Schwarz Ruth: See Sobel HJ, Marquet E, Schwarz Ruth
Schwartz Stephen M, Benditt Earl P: Studies on aortic intima. I. Structure
and permeability of rat thoracic intima (February)
Scott R: See McClain E, Stein L, Hsu G, Scott R
Scott R, Turner R, Kedys M, Lesak Anne: Relation between metabolism of vitamin D and occurrence of calcific arteriosclerosis in rabbits with cir-

rhosis (March)
Sever J: Viral teratogenesis (March)
Shanklin DR: Clinicopathologic correlations of abruptio placentae (March)
Shanklin DR, Kyriazis AK: Amnion nodosum in the absence of oligohy-
dramnios or renal anomalies (March)
Shapiro SH: See Lazarus SS, Shapiro SH
Sharma HM, Moore S, Merrick HW, Smith MR: Platelets in early hyper-
acute allograft rejection in kidneys and their modification by sulfinpyra-
zone (Anturan) therapy: An experimental study (March)
Sharma S: See Mody NJ, Sharma S, Race GJ
Shelley S, Takagi R, Balis JU: A screening test of surfactant in amniotic fluid (March)
Shenefelt Ray E: Animal model for human disease: Gross congenital mal-
formations (March)
Shin MI, Hendrickson G, Murphy E: Ultrastructural and histochemical
studies of ovarian interstitial cells in W-series sterile mice (March)
Shirasawa K, Barton BP, Chandler AB: Localization of ferritin-conjugated
anti-fibrin/fibrinogen in platelet aggregates produced in vitro (March)
Siakotos AN: See Patel V, Goebel HH, Watanabe I, Siakotos AN, Fix J
Siakotos AN, Koppang N, Zeman W: The biochemical characteristics of
lipofuscin and ceroid isolated from normal and pathologic human tissues
(March)
Sidransky H: See Epstein SM, Verney E, Horowitz C, Sidransky H
Sinkovics JG: See Gyorkey F, Sinkovics JG, Min KW, Gyorkey P
Sinnhuber RO: See Scarpelli DG, Lee DJ, Sinnhuber RO, Chiga M
Slifkin M: See Merkow LP, Epstein SM, Slifkin M, Pardo M
Sloan BP, Gill TJ III: Genetic control of antibody formation and delayed
hypersensitivity (March)
Smith DWE, McNamara Anne L: The specialization of reticulocyte transfer
RNA content for hemoglobin synthesis (March)
Smith JH, Torky H, Mansour N: The relationship of egg excretion and
tissue egg burden in urinary schistosomiasis (March)
Smith MR: See Sharma HM, Moore S, Merrick HW, Smith MR
Smith R, Konda S: Effects of tumor-bearing on T and B functions of mice
(March)
Sobel HJ, Marquet E, Schwarz Ruth: Granular cell myoblastoma: An elec-
tron microscopic study illustrating its origin from an undifferentiated
cell (March)
Solez K, Richter GW: Microembolic renal disease in rates induced with
sephadex: Hypertension, lesions and serum urea nitrogen (January)
Sommer JR, Jewett PH: Extended junctional sarcoplasmic reticulum in
chicken cardiac muscle (March)
Sorgente N: See Eisenstein R, Sorgente N, Larssen SE, Kuettner KE,
Badii M Spear GS, Kihara I: The Forssman skin test and the Arthus reaction in the
guinea pig (March)
Sprent J: See Anderson RE, Sprent J, Warner NL, Miller JFAP
Stoley NA Noron CR Inches EF. Forly response of a naturally
Staley NA, Noren GR, Jankus EF: Early response of a naturally occurring
cardiomyopathy to corticosteroids (March)
Stein L: See McClain E, Stein L, Hsu G, Scott R
Sternberg WH: See Roth LM, Sternberg WH, Huseby RA, MacPhee AA,
Cole FE, Rice BF
Stevenson TD: See Murad TM, Stevenson TD, von Haam E
Steward VW: A new approach to quantitative morphologic pathology
(March)
Stewart MJ, Pretlow TG, Hiramoto R: Separation of ascites myeloma cells,
lymphocytes and macrophages by zonal centrifugation on an isokinetic
gradient (March)
Stigal I.C. Vawter CF. Postmortem functional and anatomic correlations

of the lung in cystic fibrosis (March) Stone WJ: See Saladino AJ, Stone WJ, Macken DL, Knepshield JH
Street RP Jr: See Highman B, Streett RP Jr, Byers NT
Sumiyoshi A: See More RH, Sumiyoshi A, Weigensberg BI
Svoboda Donald: See Reddy Janardan, Svoboda Donald
Swenberg JA: See Denlinger RH, Swenberg JA, Koestner A
Takagi H: See Henson EC, Weaver DQ, Lockard VG, Takano H, Takagi H, Akutsu T, Arhelger RB, Brunson JG
Takagi R: See Shelley S, Takagi R, Balis JU
Takano H: See Henson EC, Weaver DQ, Lockard VG, Takano H, Takagi H, Akutsu T, Arhelger RB, Brunson JG
Takeuchi A, Phillips BP: Electron microscope study of experimental amebiasis. Penetration of the colonic epithelium by Entameba histolytica (March)
Tang TT, McCreadie SR: Leigh's encephalomyelopathy—A case report
Tannenbaum M: See Zimmerman EA, Hsu KC, Robinson AG, Tannenbaum M
Tatum Susan, Lindquist R: Immunoglobulin G containing cells in a local intrarenal graft-versus-host reaction (March)
Thormar H: See Macintyre EH, Wintersgill CJ, Thormar H
Tisher CC: See Woodhall PB, Tisher CC, Robinson RR
Tisher CC, Croker BP: Factors affecting fluid movement and intercellular
space (IS) formation in toad urinary bladder (March)
Tomiyama T: See Misugi K, Tomiyama T, Arimoto T
Toney R, Gander GW, Goodale F: Studies on Poly I: Poly C induced release of endogenous pyrogen (March)
Torii J: See Adachi M, Torii J, Schneck L, Briet PE, Volk BW
Torky H: See Smith JH, Torky H, Mansour N
Travers H: See Blackburn WR, Potter DM, Travers H, Rhodes RA, Gas-
senheimer LL
Travis G: See Verity MA, Travis G, Brown WJ
Trump BF: See Mergner WJ, Garbus J, Dees JH, Valigorsky JM, Trump BF Trump BF: See Sahaphong S, Trump BF
Trump BF, Valigorsky JM, Mergner WJ, Dees JH, Pendergrass R: Applica-
tion of immediate autopsy to the study of cell injury in human shock
and trauma (March)
Tsai KS, Karstad L: Vascular changes in epizootic hemorrhagic disease (EHD) of deer: An electron microscopic study (March)
Turner R: See Scott R, Turner R, Kedys M, Lesak Anne
Und CT. Ca Dimeni A Des ID Dala D Und CT
Uyeda CT: See Bignami A, Eng LF, Dahl D, Uyeda CT
Valdivia E: Proteolytic activity in the lung (March)
Valigorsky JM: See Mergner WJ, Garbus J, Dees JH, Valigorsky JM, Trump BF
Valigorsky JM: See Trump BF, Valigorsky JM, Mergner WJ, Dees JH
Valigorsky JM, Rasmussen P: Ferritin synthesis by aortic smooth muscle
Valsamis MP: See Goldfischer S, Moore CL, Johnson Anne B, Valsamis MP,
Ritch RH, Norton WT, Rapin Isabelle, Gartner LM
Van de Velde RL: See Friedman NB, Van de Velde RL
Van Pragg D: See Prose PH, Van Pragg D, Farber SJ
Vawter GF: See Price RA, Vawter GF
Vawter GF: See Stigol LC, Vawter GF
Verity MA, Travis G, Brown WJ: Mechanism of glycogen mobilization after partial hepatectomy (March)
Verney E: See Epstein SM, Verney E, Horowitz C, Sidransky H
Vernier Robert F: See Crocker John FS, Brown David M, Borch Richard F,

Vernier Robert L	343
Vesselinovitch D: See Wissler RW, Vesselinovitch D, Hughes R	92a
Vie Sergio A: See Hutchins Grover M, Vie Sergio A	483
Vinijchaikul Kamolwat, Fitzgerald Patrick J: Pancreas acinar cell regen-	
eration: XI. Protein metabolism as determined by 3H-leucine auto-	
radiography (March)	407
Volk BW: See Adachi M, Torii J, Schneck L, Briet PE, Volk BW	9a
Volk BW: See Wellman KF, Volk BW, Lazarus SS, Brancato P, Amster-	
dam D	30a
Volk TL, Ikeda RM: Subendothelial and interstitial cells of the human	
fetal adrenal (March)	103a
von Haam E: See Murad TM, Stevenson TD, von Haam E	96a
von Lightenberg Franz: See Cavallo T, Ward PA, Galvanek Eleonora G,	
Sadun EH, von Lightenberg Franz	33a
Wang NS: See Haegert DG, Farber PA, Wang NS	104a
Wagnild JP, Burkholder PM, Gutmann FD, Rieselbach RE: Induction of an	
immunologically mediated unilateral glomerular lesion in the split-bladder	
dog (March)	59a
Ward PA: See Cavallo T, Ward PA, Galvanek Eleonora G, Sadun EH,	054
von Lightenberg Franz	33a
Warkany J: Trends in teratologic research (March)	84a
Warner NL: See Anderson RE, Sprent J, Warner NL, Miller JFAP	88a
Wasan MT: See Kisilevsky R, Li K, Wasan MT	92a
Watanabe I: See Patel V, Goebel HH, Watanabe I, Siakotos AN, Fix J	12a
Watson ES: See Cruse JM, Whitten HD, Fields JF, Hester RB, Lewis GK,	=0
Watson ES	72a
Weaver DQ: See Henson EC, Weaver DQ, Lockard VG, Takano H, Takagi H,	001
Akutsu T, Arhelger RB, Brunson JG	331
Weigensberg BI: See More RH, Sumiyoshi A, Weigensberg BI	51a
Weiner LP, Herndon RM, Narayan O: Cytopathic, immunofluorescent and	
electron microscopic characteristics of agents isolated from progressive	
multifocal leukoencephalopathy in cell cultures (March)	5a
Wellman KF, Volk BW, Lazarus SS, Brancato P, Amsterdam D: Pancreatic	
alterations in mice infected with M variant encephalomyocarditis virus	
(March)	30a
Werthamer S: See Penha PD, Amaral L, Werthamer S	57a
Westgard DE: See Braustein H, Dooley RM, Westgard DE	70a
Westfall Jane A: See Schoning Polly, Anderson NV, Westfall Jane A	497
Whang Paik WC: See Hartmann HA, Whang Paik WC, Lalich JJ	2a
White James G: Interaction of membrane systems in blood platelets	
(February)	295
Whitten HD: See Cruse JM, Whitten HD, Fields JF, Hester RB, Lewis GK,	
Watson ES	72a
Wilson JG: Principles of teratology (March)	82a
Wilson JW: See Rixse RS, Wilson JW, Bradford WD	27a
Wilson Marion H: See Krigman MR, Reitz RC, Wilson Marion H, Newell LR,	214
Hogan EL	1a
Wintersgill CJ: See Macintyre EH, Wintersgill CJ, Thormar H	6a
Wissler RW, Vesselinovitch D, Hughes R: A comparison of the aortic	oa
atherosclerotic response in the rhesus and stump tailed monkey using rations rich in vegetable fat with and without added cholesterol (March)	92a
	92a
Wittner M, Rosenbaum RM: Inhibition and reversal of ribosomal RNA	
synthesis by cells in pure oxygen (March)	57a
Witzleben CL: Physiologic and morphologic natural history of a model of	
intrahepatic cholestasis (manganese-bilirubin overload) (March)	
Wolf PL: Electron microscopy of emperiopolesis of neutrophilic leukocytes	
in bone marrow in megakaryocytes (March)	
Wolf Paul L: See Schober Ralf, Kosek Jon C, Wolf Paul L	35a

Wolff Marianne, Santiago H, Duby Marguerite: Delayed distant metastasis from a subcutaneous sacrococcygeal ependymoma. Case report with tissue culture, ultrastructural observation and review of the literature (March)	100a
Wolff Marianne, Santiago H, Lattes R: Mediastinal lymphangiomyoma associated with honeycombed lung: Case report with ultrastructural observations and discussion of histogenesis (March)	99a
Wood C: Crystalline phospholipid deposits in renal glomeruli in glomerulone- phritis (March)	598
Woodhall PB, Tisher CC, Robinson RR: The action of vasopressin on the cortical collecting duct of the rat (March)	408
Worth Ann J: See Hardwick DF, Worth Ann J	218
Yamamura Y: See Ikuta F, Kumanishi T, Oyanagi S, Koizumi T, Yamamura Y	6
Yang Modesto: See Jones Maragaret Z, Gardner Elizabeth, Yang Modesto	98
Yu Dinah, Phillips MJ: Effects of inosine monophosphate (IMP) on hepatic ultrastructure and ATP in fructose infused rat liver (March)	103
Zeman W: See Siakotos AN, Koppang N, Zeman W	65
Zimmerman EA, Hsu KC, Robinson AG, Tannenbaum M: Immunologic studies of loci of synthesis, axonal transport and secretion of hypothalamic	
intraneuronal neurophysins (March)	66
Zimmerman HM: See Ghatak NR, Zimmerman HM	5
Zimmerman RA: See Hirano A, Zimmerman RA Fayara RE	23

